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State of Illinois  
Department of Public Health

Dwight H. Green, Governor  
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ITY OF ILLINOIS

# MORTALITY AND

Deaths in Illinois during the first half of 1946 were not far from the average of the preceding years. This moderate increase is no more than can be expected in an increasing population. Each year becomes more heavily burdened in the older age groups. It can be estimated the crude death rate for the year 1946 will be about the same as for the year 1945, a decrease from the rates of the few years. A decrease is expected because returning war veterans have swelled the civilian population of the state, which forms the basis for the rates are calculated.

This year's first quarter was high, especially in the first three months of 1945. Mortality from January through March 1946 was precipitated by a combination of influenza and pneumonia which were prevalent in late 1945. However, the first four months of April, May, and June, 1946 showed a significant drop in deaths to well below the corresponding months of 1945 and a return nearly to the average of the last 5 years.

Diseases characteristic of later life continue to exact an increasing toll of lives. Fatal heart disease, cancer, and cerebral hemorrhage have all increased 5% or more over the first six months' average of the last 5 years and are the first three causes of death. The increase in heart disease deaths alone more than accounts for the 3% rise of this year's total mortality over the 5 year average. Deaths from diabetes have also increased more than 5% but unlike those from other diseases associated with

a greater increase among those aged 45 to 64 than in the younger groups. These figures mean that the disorders are more serious than formerly and that more people are likely to become afflicted.

Deaths are returning to normal among the numerous important causes of death. Years ago accidents were a frequent cause of death between 5-14 and have become the leading cause of death up to 15-24 years. An increase in deaths from motor vehicles has also been a factor, largely due to the expansion of the railroad and the LaSalle. On the other hand, accidental deaths are those occurring in the first half of

Homicides and suicides have increased in 1946. The Illinois homicide rate for the first six months of 1946 is between 25 and 30% higher than the corresponding 1945 rate. The increase in the suicide rate is somewhat lower and is in the neighborhood of 8%. Metropolitan Life Insurance figures indicate that the United States as a whole has experienced an increase of one third in both rates.

The 1946 experience shows a 10% increase over 1945 in the number of deaths from the communicable diseases associated with childhood. A decrease in mortality from scarlet fever and whooping cough was more than overshadowed

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owed by the rise in deaths from diphtheria and measles. While cases of diphtheria have been reported throughout all sections of Illinois, 14 of the 19 deaths reported so far this year have been among northeastern Illinois residents. Forty - seven deaths from measles have been reported as compared to 5 in 1945 and 80 in 1944, but fatality among reported cases of measles in 1946 is less than half the 1944 fatality. The ten deaths from poliomyelitis reflects what the Division of Communicable Diseases has already pointed out to be the earliest beginning and perhaps the numerically most severe epidemic of poliomyelitis ever experienced in Illinois.

Maternal deaths are again at an all time low. The maternal death rate of 1.71 per 1,000 live births during the first half of 1946 was not only 10.9% under the corresponding 1945 rate, but also 20% under the average for the last five years. The 1946 infant death rate of 35.4 per 1,000 live births is slightly higher than the 34.8 rate recorded during the first half of 1945. Had it not been for a decided decrease in infant deaths from common communicable and acute respiratory diseases, the 1946 infant death rate would have been higher than the 5 last years' average, because the death rate for premature birth is up 10% and deaths from infant diarrhea are almost double those in 1945. Actually the increase in infant diarrhea alone is numerically sufficient to account for the amount of increase in this year's infant death rate over that of 1945. Thirty counties had at least one infant dying of diarrhea while almost fifty percent of diarrhea deaths occurred in McLean, Madison, and Peoria Counties. In each one of these counties at least one hospital experienced an epidemic of diarrhea in the newborn.

From the first half year's experience, it appears that deaths from tuberculosis in 1946 will exceed those

in 1945. Despite this possible increase in the number of deaths, there are no indications that the increase will be so great as to cause the 1946 tuberculosis death rate to rise above the 1945 rate.

Some of the most outstanding decreases in mortality have been in deaths from scarlet fever, whooping cough, and syphilis. Mortality from these three causes is the lowest in Illinois' history.

During the first six months of this year 65,860 live births were reported. This is a 5.7% increase over the number reported in the same period last year and indicates that live births in Illinois may reach at least the 145,000 mark before the year closes. In this event the year's total would be surpassed only by those of 1942 and 1943 when over 150,000 live births were reported. However, the live birth rate per 1,000 population would probably not be over 17.7 as compared to 19.5 and 20.1 for 1942 and 1943, respectively.

The tables which follow present the statistics of all live births and deaths which were reported to have occurred in Illinois during the first six months of 1946. Table I gives the figures for occurrences in the state as a whole. In tables II - VII these occurrences are allocated to the usual place of residence according as it falls into the six major regions of Illinois. A short discussion of these regions has been published in Review of Illinois Health Statistics Number I, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence, 1941-1944".

Table VIII lists the number of live births, stillbirths, and deaths which occurred in each county. These figures should not be confused with the preceding tables for regions which are based on residence.



TABLE I

## LIVE BIRTHS AND DEATHS: ILLINOIS, FIRST 6 MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	65,860	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	45,932	2,332	2,802	416	933	3,915	14,236	23,617	13
Selected causes of death, total	42,613	2,202	2,579	346	807	3,530	13,426	21,912	13
Diseases of infancy	1,791	1,712	1,753	6	13	13	6	--	--
Maternal causes	113	--	--	1	25	87	--	--	--
Communicable diseases, total	605	29	83	41	33	102	239	106	1
Diphtheria	19	1	4	8	4	1	1	1	--
Dysentery - all forms	10	1	1	--	--	4	4	1	--
Encephalitis	7	--	1	--	--	--	4	2	--
Measles	47	4	28	14	2	1	1	1	--
Meningitis	51	5	15	10	7	7	11	1	--
Poliomyelitis	10	1	3	2	2	2	1	--	--
Scarlet fever	5	--	1	1	2	1	--	--	--
Syphilis	377	11	12	--	6	72	198	88	1
Typhoid & paratyphoid fever	4	--	--	--	--	3	1	--	--
Whooping Cough	11	4	11	--	--	--	--	--	--
Other Communicable Diseases	64	2	7	6	10	11	18	12	--
Acute respiratory diseases	1,852	248	333	29	34	197	498	761	--
Influenza	184	18	37	3	8	15	31	90	--
Pneumonia	1,668	230	296	26	26	182	467	671	--
Tuberculosis - all forms	1,579	10	41	33	171	542	589	203	--
Pulmonary tuberculosis	1,430	6	18	18	148	496	558	192	--
Accidents - all forms	2,526	50	130	123	249	409	629	970	7
Motor vehicle	808	3	36	54	150	167	217	184	--
Home	852	40	80	22	14	75	139	522	--
Occupational	226	--	--	--	20	78	98	30	--
Public	640	7	23	47	65	89	175	234	7
Cancer	6,379	2	17	11	42	501	2,742	3,066	--
Cerebral hemorrhage	3,685	6	11	1	12	122	1,042	2,497	--
Diabetes	1,389	1	1	3	15	71	542	756	1
Diseases of Digestive System	1,919	138	174	38	38	275	755	639	--
Cirrhosis of the liver	482	1	2	1	1	69	255	154	--
Diarrhea and enteritis	155	105	120	4	1	3	9	18	--
Goiter	122	--	--	--	4	19	56	43	--
Heart disease	16,726	4	10	29	80	795	5,219	10,590	3
Coronary	3,708	--	--	--	2	213	1,580	1,913	--
Chronic rheumatic	832	1	2	15	38	153	275	349	--
Homicide	191	1	2	3	28	97	52	9	--
Nephritis	2,966	1	10	14	28	171	814	1,928	1
Prostatic disease	284	--	--	--	--	1	39	244	--
Rheumatic fever	35	--	5	13	4	7	2	4	--
Suicide	451	--	--	1	31	121	202	96	--
All other causes	3,048	120	200	63	94	324	738	1,629	--
Cause as yet unassigned	271	10	23	7	32	61	72	76	--

TABLE II

## LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA:

FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	20,825	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	26,100	1,262	1,504	207	488	2,536	9,415	11,950	--
Selected causes of death, total	24,682	1,198	1,388	174	426	2,336	9,006	11,352	--
Diseases of infancy	995	956	975	2	5	10	3	--	--
Maternal causes	62	--	--	--	12	50	--	--	--
Communicable diseases, total	271	16	35	20	14	43	115	44	--
Diphtheria	14	1	2	6	3	1	1	1	--
Dysentery - all forms	5	--	--	--	--	2	2	1	--
Encephalitis	2	--	--	--	--	--	2	--	--
Measles	18	2	11	6	1	--	--	--	--
Meningitis	33	3	10	6	4	5	7	1	--
Poliomyelitis	2	--	--	1	--	--	1	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	164	6	6	--	3	26	92	37	--
Typhoid & paratyphoid fever	1	--	--	--	--	1	--	--	--
Whooping Cough	4	3	4	--	--	--	--	--	--
Other Communicable diseases	27	1	2	1	3	7	10	4	--
Acute respiratory diseases	1,127	143	189	16	18	149	379	376	--
Influenza	55	6	15	--	3	7	13	17	--
Pneumonia	1,072	137	174	16	15	142	366	359	--
Tuberculosis	1,108	9	33	21	129	401	422	102	--
Pulmonary tuberculosis	990	6	15	9	112	365	394	95	--
Accidents - all forms	1,258	31	72	57	83	193	396	457	--
Motor vehicle	356	--	13	24	51	63	112	93	--
Home	416	26	47	9	8	48	95	209	--
Occupational	104	--	--	--	6	30	50	18	--
Public	382	5	12	24	18	52	139	137	--
Cancer	3,836	1	12	8	23	320	1,810	1,663	--
Cerebral hemorrhage	1,847	2	4	1	8	82	664	1,088	--
Diabetes	846	1	1	--	6	40	372	427	--
Diseases of digestive system	1,122	37	55	14	19	184	527	323	--
Cirrhosis of the liver	344	1	2	1	--	57	197	87	--
Diarrhea and enteritis	33	18	24	--	1	2	4	2	--
Goiter	74	--	--	--	4	11	37	22	--
Heart disease	9,920	2	4	18	54	582	3,576	5,686	--
Coronary	1,813	--	--	--	1	130	885	797	--
Chronic rheumatic	456	1	1	11	27	110	184	123	--
Homicide	139	--	1	3	22	73	36	4	--
Nephritis	1,678	--	6	6	16	123	531	996	--
Prostatic disease	141	--	--	--	--	1	23	117	--
Rheumatic fever	18	--	1	8	1	7	--	1	--
Suicide	240	--	--	--	12	67	115	46	--
All other causes	1,316	60	106	32	48	172	376	582	--
Causes as yet unassigned	102	4	10	1	14	28	33	16	--

Region 1 - Chicago Metropolitan Area - 1940 population: Total 4,532,332; Urban 4,256,601;  
Rural 275,731.

Counties: Cook, Du Page, Kane, Lake, and Will

## LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE NORTHERN AREA: FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	3,575	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	4,843	262	337	66	82	347	1,193	2,815	3
Selected causes of death, total	4,464	246	309	51	71	304	1,113	2,613	3
Diseases of infancy	220	197	211	3	4	1	1	--	--
Maternal causes	13	--	--	1	3	9	--	--	--
Communicable diseases, total	127	4	16	7	3	32	54	15	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	2	1	1	--	--	1	--	--	--
Encephalitis	1	--	--	--	--	--	--	1	--
Measles	16	--	9	4	1	1	1	--	--
Meningitis	7	1	1	2	--	1	3	--	--
Poliomyelitis	3	--	--	--	1	2	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	89	1	1	--	1	25	48	14	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping Cough	1	--	1	--	--	--	--	--	--
Other Communicable diseases	8	1	3	1	--	2	2	--	--
Acute respiratory diseases	211	22	35	6	1	17	36	116	--
Influenza	26	3	6	1	--	--	2	17	--
Pneumonia	185	19	29	5	1	17	34	99	--
Tuberculosis - all forms	141	--	1	5	10	47	47	31	--
Pulmonary tuberculosis	134	--	1	5	9	42	46	31	--
Accidents - all forms	260	3	17	18	25	40	47	112	1
Motor vehicle	84	1	6	7	15	19	21	16	--
Home	102	2	7	2	1	5	15	72	--
Occupational	20	--	--	--	1	11	6	2	--
Public	54	--	4	9	8	5	5	22	1
Cancer	615	--	3	--	2	38	215	357	--
Cerebral hemorrhage	415	2	3	--	3	10	79	320	--
Diabetes	134	--	--	1	3	10	42	78	--
Diseases of digestive system	192	18	20	4	4	23	59	82	--
Cirrhosis of the liver	33	--	--	--	--	1	15	17	--
Diarrhea and enteritis	21	15	16	--	--	--	3	2	--
Goiter	12	--	--	--	--	1	4	7	--
Heart disease	1,759	--	1	1	5	52	443	1,255	2
Coronary	560	--	--	--	--	24	199	337	--
Chronic rheumatic	71	--	--	--	2	11	21	37	--
Homicide	6	--	--	--	--	2	2	2	--
Nephritis	270	--	1	2	3	11	57	196	--
Prostatic disease	35	--	--	--	--	--	3	32	--
Rheumatic fever	5	--	1	3	1	--	--	--	--
Suicide	49	--	--	--	4	11	24	10	--
All other causes	358	16	24	14	8	40	79	193	--
Cause as yet unassigned	21	--	4	1	3	3	1	9	--

Region 2 - Northern Area - 1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, Mc Henry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.



TABLE IV

## LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA:

FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	980	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	1,274	73	82	4	27	90	316	755	--
Selected causes of death, total	1,130	66	73	3	23	77	288	666	--
Diseases of infancy	45	42	42	1	--	--	2	--	--
Maternal causes	4	--	--	--	--	4	--	--	--
Communicable diseases, total	29	2	3	--	1	7	11	7	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	1	--	--	--	--	--	1	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	2	1	2	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	24	1	1	--	--	7	9	7	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping Cough	--	--	--	--	--	--	--	--	--
Other Communicable diseases	1	--	--	--	1	--	--	--	--
Acute respiratory diseases	39	4	5	--	--	3	10	21	--
Influenza	5	--	--	--	--	--	2	3	--
Pneumonia	34	4	5	--	--	3	8	18	--
Tuberculosis - all forms	36	--	--	--	3	14	11	8	--
Pulmonary tuberculosis	34	--	--	--	2	13	11	8	--
Accidents - all forms	82	2	3	--	13	8	13	45	--
Motor vehicle	18	--	1	--	8	3	3	3	--
Home	42	2	2	--	--	1	4	35	--
Occupational	7	--	--	--	1	3	3	--	--
Public	15	--	--	--	4	1	3	7	--
Cancer	178	--	--	--	1	14	65	98	--
Cerebral hemorrhage	87	1	1	--	1	4	14	67	--
Diabetes	40	--	--	--	--	1	15	24	--
Diseases of digestive system	62	15	16	1	2	4	18	21	--
Cirrhosis of the liver	10	--	--	--	1	--	4	5	--
Diarrhea and enteritis	15	13	13	--	--	--	1	1	--
Goiter	1	--	--	--	--	--	--	1	--
Heart disease	421	--	1	--	1	12	106	301	--
Coronary	114	--	--	--	--	5	46	63	--
Chronic rheumatic	42	--	1	--	1	4	8	28	--
Homicide -	4	--	--	--	--	1	2	1	--
Nephritis	73	--	1	1	--	--	15	56	--
Prostatic diseases	15	--	--	--	--	--	3	12	--
Rheumatic fever	1	--	1	--	--	--	--	--	--
Suicide	13	--	--	--	1	5	3	4	--
All other causes	142	7	9	1	4	12	28	88	--
Causes as yet unassigned	2	--	--	--	--	1	--	1	--

Region 3 - Peoria Metropolitan Area - 1940 population; Total 211,736; Urban 139,211; Rural 72,525.  
 Counties: Peoria and Tazewell

## LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE CENTRAL AREA: FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	5,498	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	7,317	374	444	70	137	365	1,677	4,623	1
Selected causes of death, total	6,672	348	406	58	114	320	1,553	4,220	1
Diseases of infancy	271	263	269	--	1	1	--	--	--
Maternal causes	12	--	--	--	2	10	--	--	--
Communicable diseases, total	77	2	11	7	3	8	30	18	--
Diphtheria	2	--	1	1	--	--	--	--	--
Dysentery - all forms	1	--	--	--	--	1	--	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	6	--	3	2	--	--	--	1	--
Meningitis	4	--	2	--	--	1	1	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--
Scarlet fever	1	--	--	1	--	--	--	--	--
Syphilis	47	2	2	--	1	4	27	13	--
Typhoid & paratyphoid fever	1	--	--	--	--	1	--	--	--
Whooping Cough	2	--	2	--	--	--	--	--	--
Other communicable diseases	11	--	1	3	1	1	1	4	--
Acute respiratory diseases	231	41	54	5	5	8	36	123	--
Influenza	35	2	7	--	1	2	7	18	--
Pneumonia	196	39	47	5	4	6	29	105	--
Tuberculosis - all forms	133	--	5	3	13	25	61	26	--
Pulmonary tuberculosis	121	--	2	1	12	22	61	23	--
Accidents - all forms	436	7	21	20	55	56	75	208	1
Motor vehicle	154	1	9	11	33	28	35	38	--
Home	161	6	9	4	1	10	11	126	--
Occupational	36	--	--	--	5	9	18	4	--
Public	85	--	3	5	16	9	11	40	1
Cancer	922	1	1	1	1	53	324	542	--
Cerebral hemorrhage	726	1	2	--	--	10	127	587	--
Diabetes	218	--	--	--	4	13	65	136	--
Diseases of digestive system	283	31	39	11	7	29	72	125	--
Cirrhosis of the liver	44	--	--	--	--	5	12	27	--
Diarrhea and enteritis	35	23	27	1	--	--	1	6	--
Goiter	21	--	--	--	--	3	10	8	--
Heart disease	2,644	1	2	6	11	63	603	1,959	--
Coronary	738	--	--	--	--	22	265	451	--
Chronic rheumatic	127	--	--	3	4	13	29	78	--
Homicide	13	--	--	--	1	5	6	1	--
Nephritis	540	1	1	4	3	17	108	407	--
Prostatic diseases	61	--	--	--	--	--	4	57	--
Rheumatic fever	5	--	1	1	--	--	1	2	--
Suicide	79	--	--	--	8	19	31	21	--
All other causes	596	25	36	10	19	36	111	384	--
Causes as yet unassigned	49	1	2	2	4	9	13	19	--

Region 4 - Central Area - 1940 population: Total 1,331,175; Urban 551,587; Rural 779,588.

Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VI

## LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA:

FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	1,412	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	1,740	124	137	24	38	157	455	929	--
Selected causes of death, total	1,541	119	128	18	33	134	406	822	--
Diseases of infancy	76	75	75	--	1	--	--	--	--
Maternal causes	5	--	--	--	3	2	--	--	--
Communicable diseases, total	24	3	4	1	--	2	9	8	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--	--
Poliomyelitis	1	1	1	--	--	--	--	--	--
Scarlet fever	1	--	1	--	--	--	--	--	--
Syphilis	17	1	1	--	--	2	7	7	--
Typhoid & paratyphoid fever	1	--	--	--	--	--	1	--	--
Whooping Cough	1	1	1	--	--	--	--	--	--
Other communicable diseases	2	--	--	--	--	--	1	1	--
Acute respiratory diseases	76	11	13	--	2	9	12	40	--
Influenza	13	3	3	--	--	2	3	5	--
Pneumonia	63	8	10	--	2	7	9	35	--
Tuberculosis - all forms	39	--	--	2	4	17	8	8	--
Pulmonary tuberculosis	37	--	--	1	3	17	8	8	--
Accidents - all forms	121	2	5	9	11	23	25	48	--
Motor vehicle	47	--	1	3	6	11	11	15	--
Home	42	2	4	2	3	3	6	24	--
Occupational	13	--	--	--	--	5	5	3	--
Public	19	--	--	4	2	4	3	6	--
Cancer	182	--	--	--	2	15	66	99	--
Cerebral hemorrhage	158	--	--	--	--	3	44	111	--
Diabetes	42	--	--	1	--	--	15	26	--
Diseases of digestive system	80	27	28	2	2	8	20	20	--
Cirrhosis of the liver	18	--	--	--	--	1	11	6	--
Diarrhea and enteritis	29	26	27	1	--	--	--	1	--
Goiter	2	--	--	--	--	1	--	1	--
Heart disease	598	--	1	2	4	40	162	389	--
Coronary	133	--	--	--	1	16	61	55	--
Chronic rheumatic	35	--	--	1	1	9	11	13	--
Homicide	8	1	1	--	--	5	2	--	--
Nephritis	101	--	1	--	1	2	33	64	--
Prostatic diseases	4	--	--	--	--	--	2	2	--
Rheumatic fever	2	--	--	1	--	--	1	--	--
Suicide	23	--	--	--	3	7	7	6	--
All other causes	167	3	7	5	3	17	38	97	--
Causes as yet unassigned	32	2	2	1	2	6	11	10	--

Region 5 - East St. Louis Metropolitan Area - 1940 population: Total 316,248: Urban 213,175; Rural 103,073.

Counties: Madison and St. Clair



## LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA:

FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	2,606	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	3,567	210	261	38	66	242	794	2,162	4
Selected causes of death, total	3,141	199	240	35	57	215	705	1,885	4
Diseases of infancy	162	160	161	--	--	1	--	--	--
Maternal causes	14	--	--	--	4	10	--	--	--
Communicable diseases, total	57	2	11	4	4	10	15	12	1
Diphtheria	3	--	1	1	1	--	--	--	--
Dysentery - all forms	1	--	--	--	--	--	1	--	--
Encephalitis	2	--	1	--	--	--	--	1	--
Measles	6	2	5	1	--	--	--	--	--
Meningitis	2	--	--	1	1	--	--	--	--
Poliomyelitis	3	--	2	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	29	--	--	--	1	8	11	8	1
Typhoid & paratyphoid fever	1	--	--	--	--	1	--	--	--
Whooping Cough	2	--	2	--	--	--	--	--	--
Other communicable diseases	8	--	--	--	1	1	3	3	--
Acute respiratory diseases	138	23	33	2	3	9	17	74	--
Influenza	46	4	6	2	3	3	4	28	--
Pneumonia	92	19	27	--	--	6	13	46	--
Tuberculosis - all forms	85	1	1	1	8	22	30	23	--
Pulmonary tuberculosis	81	--	--	1	7	22	28	23	--
Accidents - all forms	237	3	17	18	25	49	45	83	--
Motor vehicle	83	--	4	8	16	24	18	13	--
Home	79	2	10	5	1	5	7	51	--
Occupational	30	--	--	--	1	14	12	3	--
Public	45	1	3	5	7	6	8	16	--
Cancer	394	--	1	1	2	28	122	240	--
Cerebral hemorrhage	389	--	1	--	--	8	94	286	--
Diabetes	93	--	--	1	--	6	29	56	1
Diseases of digestive system	136	9	14	4	2	17	43	56	--
Cirrhosis of the liver	25	--	--	--	--	3	11	11	--
Diarrhea and enteritis	19	9	11	1	--	1	--	6	--
Goiter	8	--	--	--	--	2	4	2	--
Heart disease	1,113	1	1	2	3	26	232	848	1
Coronary	264	--	--	--	--	10	84	170	--
Chronic rheumatic	85	--	--	--	2	5	17	61	--
Homicide	12	--	--	--	3	5	3	1	--
Nephritis	251	--	--	1	1	14	54	180	1
Prostatic disease	18	--	--	--	--	--	1	17	--
Rheumatic fever	1	--	--	--	--	--	--	1	--
Suicide	33	--	--	1	2	8	16	6	--
All other causes	383	9	17	1	3	20	78	264	--
Causes as yet unassigned	43	2	4	2	6	7	11	13	--

Region 6 - Southern Area - 1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE  
OF OCCURRENCE: ILLINOIS, FIRST SIX MONTHS, 1946

Area	Live Births	Still-births	Deaths	Area	Live Births	Still-births	Deaths
Entire State	65,857	1,539	45,932	Lawrence	64	1	96
Chicago	27,354	683	19,456	Lee	275	4	306
Downstate	38,503	856	26,476	Livingston	263	3	201
Adams	578	15	434	Logan	246	7	200
Alexander	290	10	161	Mc Donough	258	8	171
Bond	18	--	42	Mc Henry	272	4	197
Boone	173	3	106	Mc Lean	701	11	451
Brown	26	--	33	Nacon	923	21	503
Bureau	367	7	216	Macoupin	135	2	161
Calhoun	31	1	26	Madison	1,543	42	952
Carroll	120	6	103	Marion	456	19	214
Cass	128	2	86	Marshall	5	--	47
Champaign	917	9	375	Mason	21	--	71
Christian	303	3	170	Massac	110	4	70
Clark	49	--	74	Menard	25	--	31
Clay	52	2	56	Mercer	8	--	65
Clinton	169	2	102	Monroe	8	--	56
Coles	371	8	233	Montgomery	330	3	232
Cook	33,968	820	23,810	Morgan	304	9	424
Crawford	156	5	112	Moultrie	35	1	45
Cumberland	25	2	40	Ogle	119	1	137
De Kalb	374	10	213	Peoria	1,751	23	1,139
De Witt	75	2	86	Perry	202	3	117
Douglas	161	9	74	Piatt	55	1	47
Du Page	623	9	551	Pike	145	1	113
Edgar	192	1	151	Pope	25	1	32
Edwards	23	2	43	Pulaski	61	3	67
Effingham	319	6	147	Putnam	1	--	12
Fayette	186	5	132	Randolph	223	8	147
Ford	95	1	65	Richland	284	8	134
Franklin	262	5	241	Rock Island	1,104	23	747
Fulton	355	1	213	St. Clair	1,448	49	927
Gallatin	68	3	58	Saline	378	9	212
Greene	148	2	91	Sangamon	1,117	31	805
Grundy	160	5	98	Schuyler	38	1	56
Hamilton	90	--	51	Scott	8	--	38
Hancock	82	1	92	Shelby	143	3	120
Hardin	56	4	42	Stark	12	--	27
Henderson	6	--	28	Stephenson	529	14	263
Henry	354	9	251	Tazewell	321	10	194
Iroquois	229	4	153	Union	158	5	241
Jackson	337	12	198	Vermilion	788	22	567
Jasper	26	3	42	Wabash	53	1	68
Jefferson	281	6	185	Warren	220	2	129
Jersey	58	4	52	Washington	23	--	62
Jo Daviess	41	3	89	Wayne	97	1	74
Johnson	54	2	60	White	104	1	74
Kane	1,777	35	1,141	Whiteside	359	9	203
Kankakee	548	10	783	Will	1,044	15	633
Kendall	3	--	35	Williamson	389	15	255
Knox	468	12	350	Winnebago	1,364	31	596
Lake	1,201	28	700	Woodford	16	--	54
La Salle	883	20	555				

LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE:  
ILLINOIS, 1945

Area	Live Births	Still-births	Deaths	Area	Live Births	Still-births	Deaths
Illinois, Total	135,042	2 927	89,204	Lawrence	138	--	233
Downstate, Total	75,667	1,525	51,135	Lee	525	14	554
Adams	1,202	20	803	Livingston	598	8	414
Alexander	637	34	398	Logan	476	12	358
Bond	44	1	100	Mc Donough	524	6	358
Boone	281	7	211	Mc Henry	444	12	362
Brown	58	2	54	Mc Lean	1,365	24	855
Bureau	681	13	443	Macon	1,912	35	1,007
Calhoun	95	1	46	Macoupin	345	6	346
Carroll	240	1	180	Madison	2,914	58	1,688
Cass	230	2	152	Marion	954	23	417
Champaign	1,691	19	719	Marshall	33	--	88
Christian	590	10	356	Mason	51	2	114
Clark	95	3	159	Massac	210	3	165
Clay	145	2	105	Menard	44	2	54
Clinton	293	8	170	Mercer	28	--	101
Coles	699	21	431	Monroe	25	--	105
Cook	71,849	1,609	46,512	Montgomery	643	17	436
Crawford	350	13	235	Morgan	584	11	785
Cumberland	65	1	90	Moultrie	69	1	112
De Kalb	770	10	433	Ogle	258	4	261
De Witt	159	6	159	Peoria	3,354	69	2,054
Douglas	294	2	172	Perry	438	6	242
Du Page	1,201	22	924	Piatt	123	1	110
Edgar	381	13	259	Pike	293	10	224
Edwards	30	1	65	Pope	68	1	64
Effingham	545	9	270	Pulaski	145	4	163
Fayette	422	15	245	Putnam	6	--	29
Ford	164	4	122	Randolph	519	11	296
Franklin	719	11	462	Richland	555	10	253
Fulton	636	9	444	Rock Island	2,281	49	1,472
Gallatin	117	3	76	St. Clair	3,170	78	1,833
Greene	281	13	188	Saline	689	18	380
Grundy	312	3	203	Sangamon	2,212	50	1,534
Hamilton	186	2	100	Schuyler	95	4	105
Hancock	191	3	233	Scott	42	1	52
Hardin	142	4	75	Shelby	292	7	261
Henderson	34	--	47	Stark	9	--	61
Henry	687	14	473	Stephenson	916	26	565
Iroquois	422	8	269	Tazewell	704	14	414
Jackson	692	17	400	Union	352	9	469
Jasper	64	1	75	Vermilion	1,493	36	1,149
Jefferson	637	20	339	Wabash	118	3	154
Jersey	127	7	100	Warren	461	9	276
Jo Daviess	101	3	190	Washington	58	2	114
Johnson	93	2	81	Wayne	205	3	129
Kane	3,119	37	2,023	White	215	3	141
Kankakee	1,058	21	1,454	Whiteside	766	18	411
Kendall	9	--	78	Will	1,983	31	1,199
Knox	940	14	631	Williamson	663	18	602
Lake	2,369	41	1,425	Winnebago	2,574	78	1,255
La Salle	1,904	35	1,076	Woodford	52	3	125



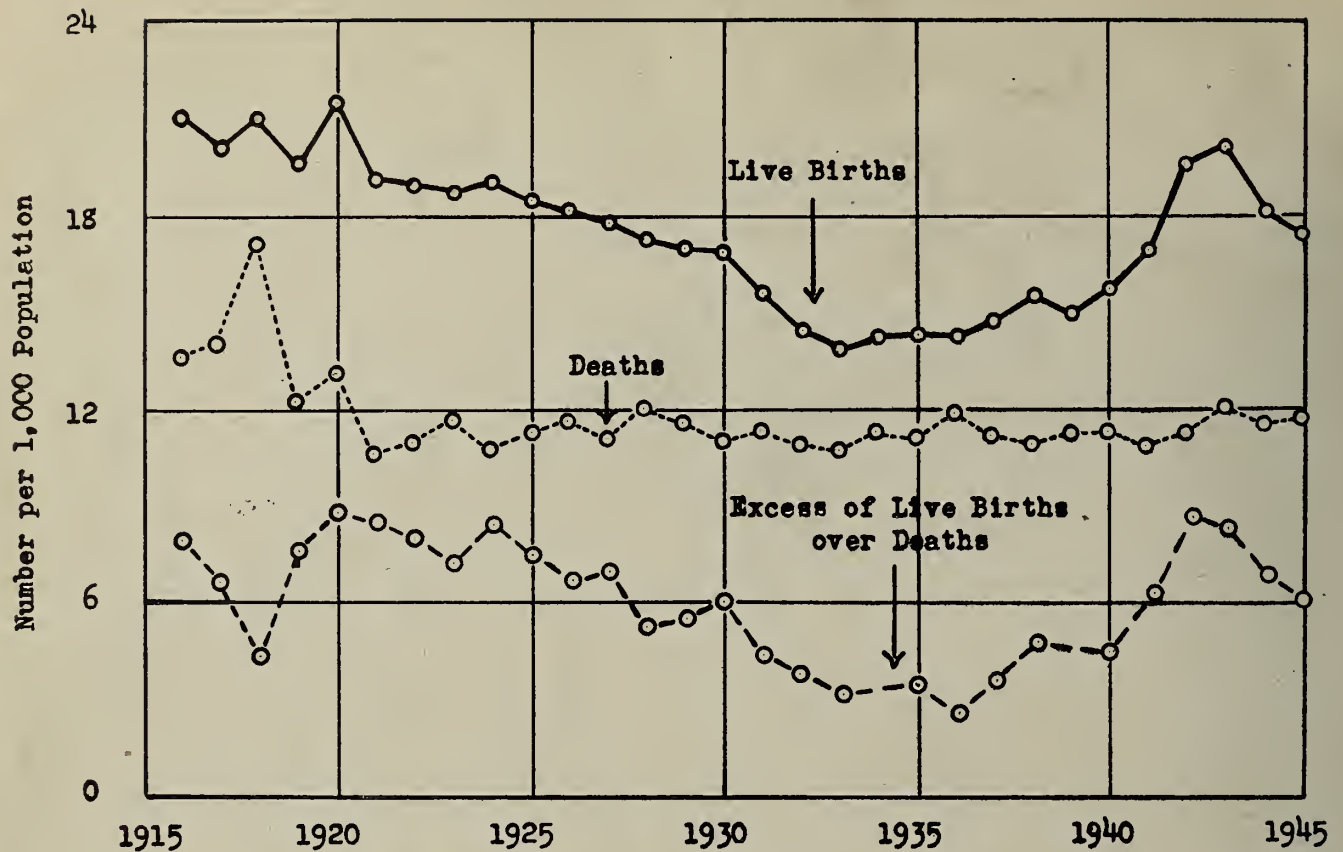


Fig. I Mortality and Natality in Illinois: 1916-1945

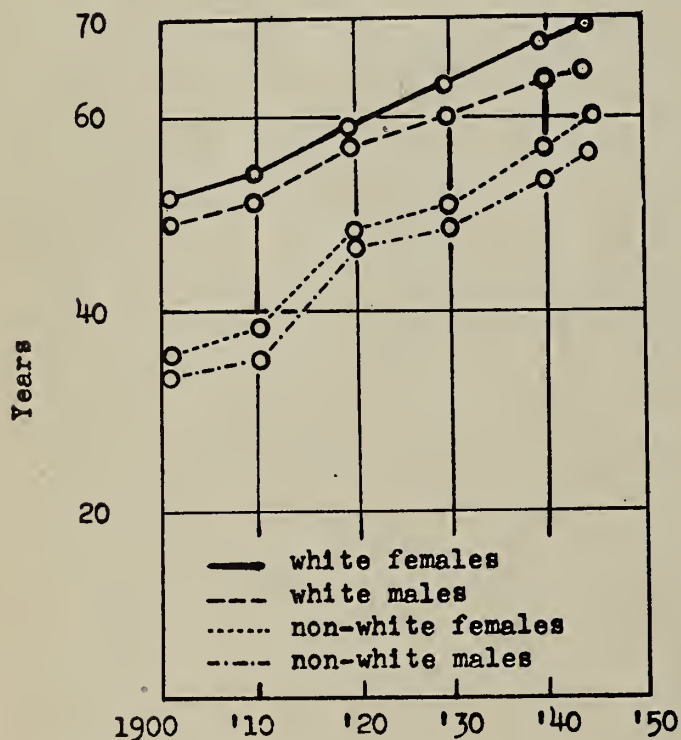


Fig. II Expectation of Life at time of birth in the United States: 1900-1944

Source: Metropolitan Life

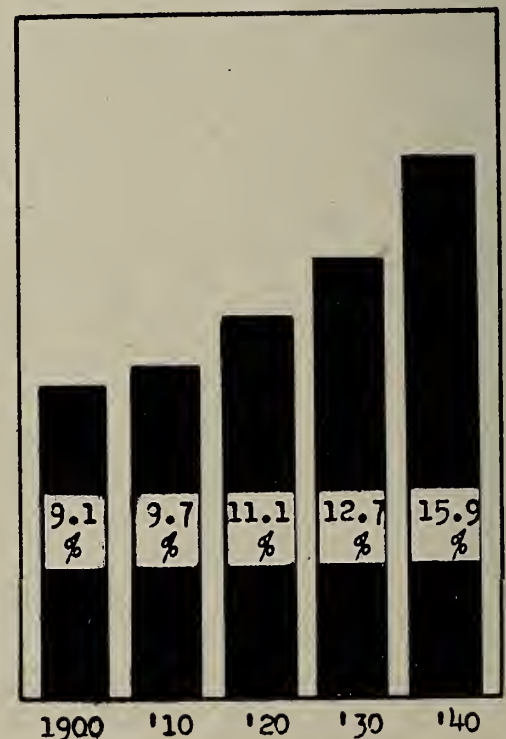
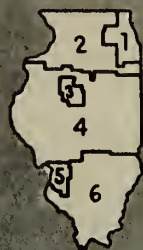


Fig. III Percent of persons aged 55 years and over in Illinois' population: 1900-1940

Source: U. S. Bureau of the Census

# HEALTH STATISTICS BULLETIN



State of Illinois  
Dwight H. Green  
Governor

Department of Public Health  
Roland R. Cross, M.D.  
Director

Division of Vital Statistics & Records—O. K. Sagen, Ph.D., Chief

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## MORTALITY AND NATALITY IN ILLINOIS: FIRST NINE MONTHS, 1946

Record-breaking registration of live births occurred in the third quarter of this year when 45,040 birth certificates were filed. This number which is 5,600 over the highest third quarter ever recorded in Illinois, brings the first nine month's total to 111,697 as compared with the 1945 figure of 98,204. It now appears that more births will be recorded in 1946 than in any previous year. The estimated birth rate for 1946 is about 19 live births per 1,000 population. This is a return to the high birth rates in the early 1920's.

The favorable mortality picture seen during the second quarter of 1946 has continued throughout the third quarter. Although total deaths during January-September, 1946 were more than in the same period last year, the six months of April-September, 1946 had lower mortality than in 1945. In the past six

months, mortality in every age group except infants under one month has been lower than in the same six months of 1945. Higher neonatal (infants under one month) mortality was to be expected because of the great increase in births. Actually the increase in neonatal deaths was more than twice what could be expected on the basis of just the increased births in 1946. The leading causes of neonatal deaths continue to be premature birth, birth injury, and congenital malformations. Premature birth is the cause for over half of all neonatal deaths. While the death rate for congenital malformations dropped below the 1945 rate, both the rates for premature birth and birth injury were above those for 1945. The low mortality among infants between one month and one year of age is still very encouraging, and accounts for the fact that the death rate for infants under one year was no

*The Health Statistics Bulletin has been established to release provisional statistics on health matters. The subject matter of the first two numbers has been confined to quarterly mortality information, but subsequent numbers are planned for other types of material important to health officers and others concerned with public health problems. No set schedule of publication has been established, but Bulletins will be issued as quickly as the pertinent statistics can be assembled.*

*Comprehensive final statistics on all health topics will be released in the "Review of Illinois Health Statistics". To date Review No. 1, covering morbidity and mortality in each county and city of over 10,000 population for the years 1941-1944, has been published.*



2 more than 32.5 per thousand live births for the first nine months of 1946. This rate is 5% below the average rate for the first nine months of the last five years. Because this was accomplished inspite of a high neonatal death rate, continued favorable mortality among children over a month old will make further reduction of the infant death rate almost entirely dependent upon reduced neonatal mortality.

Deaths associated with childbearing are at an all time low. So far this year only 174 maternal deaths have been reported, a decrease of 11 from the number reported in the same period of 1945. This year's maternal death rate is 1.6 per thousand live births, a 15% decrease from last year's.

At the end of September, 1946 all time lows had been reported for deaths from six other diseases, namely, scarlet fever, whooping cough, tuberculosis, syphilis, appendicitis, and nephritis. All of these except tuberculosis had also reached new lows at the end of six months. Early in 1946 there was a rather severe outbreak of respiratory diseases with considerable mortality. But the favorable experience of the past six months has been sufficient to bring the total mortality from tuberculosis to a new low and has materially reduced the year's mortality from influenza and pneumonia. Continuance of this trend now seems probable and it is likely that the pneumonia and influenza death rates for the entire year 1946 will establish new lows.

As forecasted, the third quarter saw a sharp rise in mortality from poliomyelitis. Through September, 121 deaths had been recorded. This number was still under the 1943 figure even though cases reported through September, 1946 were almost three times those reported in the same period of 1943. Four more deaths from measles occurred, bringing the total to 51. Fatality among known cases of measles in 1946 is less than half that experienced in 1944 when 80 deaths were reported but about 15% above that in 1943 when 49 deaths occurred. Diphtheria deaths now stand at 21, an increase over both 1944 and 1945.

Although this year's third quarter mortality from heart disease, cancer, and cerebral hemorrhage was slightly lower than in 1945, the totals for the first nine months of 1946 are the highest ever recorded. Deaths from heart

disease, cancer, and cerebral hemorrhage are, respectively, 8.5%, 6.8% and 4% over the averages of the last five years.

Homicides, suicides, and fatal accidents are still ahead of the 1945 experience. While the homicide rate showed a decided increase in the first half of 1946 and then began tapering off during the third quarter, suicide showed a third quarter rate somewhat higher than its rate for the first six months. August and September, 1946 show fewer accidental deaths than in the corresponding months of 1945 and reflects the trend in motor vehicle fatalities. For the first time in 17 months, deaths from automobile accidents in July, August, and September, 1946 were lower than those in the same months of the previous year.

When the first nine months mortality of 1945 and 1946 are compared by age group, only the groups, under one month, the 15-24, and the 65 years and over show increases. Among those aged 15-24, decreases in deaths from diabetes, pneumonia, tuberculosis, and the remaining communicable diseases were more than overshadowed by increases in cancer deaths, suicides, and accidental deaths. Accidental deaths alone accounted for 87% of the increase in this age group. Almost 65% of the increased deaths among those over 65 was due to heart disease deaths with the remainder evenly divided between pneumonia and cancer deaths. The largest decrease seen in any age group was for children aged 5-14 and was due to fewer deaths from accidents, heart disease, and pneumonia, the three leading causes of death among children of this age.

On the basis of the first nine months' experience, the crude death rate should be approximately 11 per thousand population. With our population reverting to a normal peace time basis, it is to be expected that the crude death rate should be lower than in the war years. However, it is significant that the rate of 11 per thousand population is almost the same as our most favorable prewar experience, despite the fact that year by year we have an ever aging population.

Table I on the next page presents statistics of all live births and deaths occurring in Illinois during the first nine months of 1946. In Tables II - VII these occurrences are allocated to the region of residence. Table VIII lists the number of live births, stillbirths, and deaths which occurred in each county.



TABLE I LIVE BIRTHS AND DEATHS IN ILLINOIS

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Live births	111,697	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	66,016	3,627	4,280	688	1,446	5,755	20,508	33,319	20
Selected causes of death, total	61,373	3,449	3,986	581	1,249	5,207	19,347	30,988	15
Diseases of infancy	2,917	2,794	2,847	18	19	22	10	1	--
Maternal causes	174	xxx	xxx	1	47	125	1	--	--
Communicable diseases, total	979	47	123	106	68	166	355	160	1
Diphtheria	21	1	5	9	4	1	1	1	--
Dysentery - all forms	16	1	1	1	--	6	4	4	--
Encephalitis	13	1	2	--	--	1	6	4	--
Measles	51	5	31	14	2	1	2	1	--
Meningitis	60	7	20	11	8	8	12	1	--
Poliomyelitis	121	1	13	54	32	18	4	--	--
Scarlet fever	7	--	1	2	3	1	--	--	--
Syphilis	557	15	16	--	7	108	301	124	1
Typhoid & paratyphoid fever	8	--	--	1	--	4	2	1	--
Whooping cough	23	13	22	1	--	--	--	--	--
Other communicable diseases	102	3	12	13	12	18	23	24	--
Acute respiratory diseases	2,280	328	431	39	43	233	602	932	--
Influenza	199	18	39	4	8	16	33	99	--
Pneumonia	2,081	310	392	35	35	217	569	833	--
Tuberculosis - all forms	2,279	16	63	41	248	785	848	294	--
Pulmonary tuberculosis	2,062	8	27	21	220	721	801	272	--
Accidents - all forms	3,851	65	215	214	406	663	943	1,402	8
Motor vehicle	1,153	5	54	95	216	240	296	252	--
Home	1,267	50	123	32	21	102	199	790	--
Occupational	383	xxx	xxx	xxx	34	137	160	52	--
Public	1,048	10	38	87	135	184	288	308	8
Cancer	9,547	4	26	19	65	747	4,120	4,570	--
Cerebral hemorrhage	5,257	6	12	2	19	186	1,534	3,504	--
Diabetes	1,927	1	2	5	16	94	723	1,086	1
Diseases of digestive system	2,803	181	228	53	61	408	1,122	931	--
Cirrhosis of the liver	727	1	2	2	4	106	375	238	--
Diarrhea and enteritis	198	136	153	5	1	6	9	24	--
Goiter	162	--	--	--	4	28	74	56	--
Heart disease	23,493	4	13	41	117	1,139	7,365	14,814	4
Coronary	5,399	--	--	--	5	313	2,279	2,802	--
Chronic rheumatic	1,128	1	4	21	51	204	391	457	--
Homicide	290	2	4	7	43	139	85	12	--
Nephritis	4,226	1	16	18	43	262	1,190	2,696	1
Prostatic disease	442	--	--	--	1	1	61	379	--
Rheumatic fever	48	--	6	16	5	12	5	4	--
Suicide	698	--	--	1	44	197	309	147	--
All other causes	4,264	165	266	92	147	470	1,054	2,234	1
Cause as yet unassigned	379	13	28	15	50	78	107	97	4

TABLE II DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45 - 64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	37,363	1,941	2,281	341	756	3,675	13,463	16,845	2
Selected causes of deaths, total	35,335	1,857	2,129	292	658	3,401	12,898	15,956	1
Diseases of infancy	1,594	1,533	1,559	6	8	15	5	1	--
Maternal causes	94	xxx	xxx	--	23	71	--	--	--
Communicable diseases, total	442	22	49	52	28	78	168	67	--
Diphtheria	15	1	2	7	3	1	1	1	--
Dysentery - all forms	7	--	--	1	--	3	2	1	--
Encephalitis	4	--	--	--	--	--	4	--	--
Measles	18	2	11	6	1	--	--	--	--
Meningitis	38	4	13	6	4	6	8	1	--
Poliomyelitis	56	--	5	28	12	10	1	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	253	8	8	--	4	44	142	55	--
Typhoid & paratyphoid fever	2	--	--	--	--	2	--	--	--
Whooping cough	8	6	7	1	--	--	--	--	--
Other communicable diseases	40	1	3	3	4	11	10	9	--
Acute respiratory diseases	1,410	194	249	20	21	173	460	487	--
Influenza	59	6	17	--	3	7	13	19	--
Pneumonia	1,351	188	232	20	18	166	447	468	--
Tuberculosis - all forms	1,579	13	51	27	188	570	598	145	--
Pulmonary tuberculosis	1,411	8	23	10	167	522	558	131	--
Accidents - all forms	1,885	38	104	104	146	298	587	645	1
Motor vehicle	534	--	20	49	77	91	168	129	--
Home	607	33	71	14	12	65	135	310	--
Occupational	161	xxx	xxx	xxx	10	50	74	27	--
Public	583	5	13	41	47	92	210	179	1
Cancer	5,690	2	17	12	37	480	2,695	2,449	--
Cerebral hemorrhage	2,629	2	5	2	13	124	959	1,526	--
Diabetes	1,174	1	2	1	6	53	492	620	--
Diseases of digestive system	1,649	50	74	19	31	278	769	478	--
Cirrhosis of the liver	510	1	2	1	2	90	282	133	--
Diarrhea and enteritis	40	24	30	--	1	3	4	2	--
Goiter	101	--	--	--	4	16	51	30	--
Heart disease	13,913	2	6	25	77	823	5,023	7,959	--
Coronary	2,670	--	--	--	3	195	1,287	1,185	--
Chronic rheumatic	629	1	2	15	37	145	262	168	--
Homicide	212	--	1	6	33	106	60	6	--
Nephritis	2,355	--	10	7	24	186	774	1,354	--
Prostatic disease	221	--	--	1	--	18	85	117	--
Rheumatic fever	26	--	2	10	2	10	1	1	--
Suicide	361	--	--	--	17	102	171	71	--
All other causes	1,874	80	139	46	75	236	512	866	--
Cause as yet unassigned	154	4	13	3	23	38	53	23	1

Region 1 - Chicago Metropolitan Area - 1940 population: Total 4,532,332; Urban 4,256,601, Rural 275,731.

Counties: Cook, DuPage, Kane, Lake, and Will.



TABLE III DEATHS AMONG RESIDENTS OF THE NORTHERN AREA

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	6,987	405	498	102	131	525	1,770	3,958	3
Selected causes of death, total	6,438	387	467	81	112	459	1,654	3,662	3
Diseases of infancy	344	314	328	8	4	3	1	--	--
Maternal causes	17	xxx	xxx	1	4	12	--	--	--
Communicable diseases, total	191	5	19	13	8	49	79	23	--
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	2	1	1	--	--	1	--	--	--
Encephalitis	3	--	--	--	--	1	--	2	--
Measles	16	--	9	4	1	1	1	--	--
Meningitis	7	1	1	2	--	1	3	--	--
Poliomyelitis	21	--	1	6	6	6	2	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	130	1	1	--	1	36	71	21	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	2	--	--	--	--	--	--
Other communicable diseases	9	1	3	1	--	3	2	--	--
Acute respiratory diseases	256	34	49	8	3	22	44	130	--
Influenza	30	3	6	2	--	--	2	20	--
Pneumonia	226	31	43	6	3	22	42	110	--
Tuberculosis - all forms	219	1	4	7	16	64	79	49	--
Pulmonary tuberculosis	206	--	2	7	15	57	78	47	--
Accidents - all forms	417	5	28	27	44	72	80	165	1
Motor vehicle	130	2	10	9	23	33	28	27	--
Home	151	2	9	4	2	8	25	103	--
Occupational	41	xxx	xxx	xxx	4	18	13	6	--
Public	95	1	9	14	15	13	14	29	1
Cancer	921	--	5	--	2	59	320	535	--
Cerebral hemorrhage	591	2	3	--	3	14	135	436	--
Diabetes	184	--	--	2	3	12	54	113	--
Diseases of digestive system	280	26	28	6	5	38	89	114	--
Cirrhosis of the liver	53	--	--	--	--	4	24	25	--
Diarrhea and enteritis	30	22	23	--	--	1	3	3	--
Goiter	13	--	--	--	--	1	4	8	--
Heart disease	2,481	--	1	3	7	74	646	1,748	2
Coronary	779	--	--	--	--	32	280	467	--
Chronic rheumatic	99	--	--	--	3	13	35	48	--
Homicide	8	--	--	1	--	2	3	2	--
Nephritis	392	--	1	2	7	20	82	280	--
Prostatic disease	48	--	--	--	--	--	3	45	--
Rheumatic fever	7	--	1	3	1	--	2	--	--
Suicide	69	--	--	--	5	17	33	14	--
All other causes	521	18	27	18	15	62	113	286	--
Cause as yet unassigned	28	--	4	3	4	4	3	10	--

Region 2 - Northern Area - 1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.



FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un-
Deaths - all causes	1,800	119	131	15	41	142	446	1,025	-
Selected causes of death, total	1,607	108	118	13	36	120	415	905	-
Diseases of infancy	84	79	80	1	--	--	3	--	-
Maternal causes	8	xxx	xxx	--	2	6	--	--	-
Communicable diseases, total	42	5	7	1	1	7	16	10	-
Diphtheria	--	--	--	--	--	--	--	--	-
Dysentery - all forms	1	--	--	--	--	--	1	--	-
Encephalitis	1	--	--	--	--	--	1	--	-
Measles	1	--	1	--	--	--	--	--	-
Meningitis	3	2	3	--	--	--	--	--	-
Poliomyelitis	1	--	--	1	--	--	--	--	-
Scarlet fever	--	--	--	--	--	--	--	--	-
Syphilis	31	1	1	--	--	7	14	9	-
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	-
Whooping cough	2	2	2	--	--	--	--	--	-
Other communicable diseases	2	--	--	--	1	--	--	1	-
Acute respiratory diseases	49	5	6	--	--	4	11	28	-
Influenza	6	--	--	--	--	--	2	4	-
Pneumonia	43	5	6	--	--	4	9	24	-
Tuberculosis - all forms	54	--	--	--	5	19	16	14	-
Pulmonary tuberculosis	50	--	--	--	4	18	16	12	-
Accidents - all forms	128	2	3	5	20	16	16	68	-
Motor vehicle	28	--	1	2	11	7	4	3	-
Home	66	2	2	--	1	2	5	56	-
Occupational	11	xxx	xxx	xxx	1	6	4	--	-
Public	23	--	--	3	7	1	3	9	-
Cancer	261	--	--	2	1	21	98	139	-
Cerebral hemorrhage	131	1	1	--	1	5	26	98	-
Diabetes	53	--	--	--	--	2	21	30	-
Diseases of digestive system	93	16	18	1	3	4	30	37	-
Cirrhosis of the liver	17	--	--	--	1	--	8	8	-
Diarrhea and enteritis	18	14	15	--	--	--	1	2	-
Goiter	2	--	--	--	--	1	--	1	-
Heart disease	551	--	1	1	1	23	144	381	-
Coronary	153	--	--	--	--	9	59	85	-
Chronic rheumatic	52	--	1	1	1	7	10	32	-
Homicide	5	--	--	--	1	1	2	1	-
Nephritis	107	--	1	2	--	4	22	78	-
Prostatic disease	20	--	--	--	--	--	4	16	-
Rheumatic fever	1	--	1	--	--	--	--	--	-
Suicide	18	--	--	--	1	7	6	4	-
All other causes	190	11	13	2	5	21	30	119	-
Cause as yet unassigned	3	--	--	--	--	1	1	1	-

Region 3 - Peoria Metropolitan Area - 1940 population; Total 211,736; Urban 139,211;  
Rural 72,525.

Counties: Peoria and Tazewell.

TABLE V DEATHS AMONG RESIDENTS OF THE CENTRAL AREA

7

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	10,648	600	711	110	216	564	2,459	6,583	5
Selected causes of death, total	9,768	563	657	91	183	503	2,290	6,042	2
Diseases of infancy	466	449	458	2	3	2	1	--	--
Maternal causes	23	xxx	xxx	--	7	16	--	--	--
Communicable diseases, total	139	6	21	16	8	15	50	29	--
Diphtheria	2	--	1	1	--	--	--	--	--
Dysentery - all forms	4	--	--	--	--	2	--	2	--
Encephalitis	3	1	1	--	--	--	1	1	--
Measles	7	--	4	2	--	--	--	1	--
Meningitis	6	--	3	--	1	1	1	--	--
Poliomyelitis	13	--	2	6	4	1	--	--	--
Scarlet fever	1	--	--	1	--	--	--	--	--
Syphilis	72	2	2	--	1	7	44	18	--
Typhoid & paratyphoid fever	2	--	--	--	--	1	1	--	--
Whooping cough	6	3	6	--	--	--	--	--	--
Other communicable diseases	23	--	2	6	2	3	3	7	--
Acute respiratory diseases	278	50	64	9	6	11	40	148	--
Influenza	38	2	7	--	1	3	7	20	--
Pneumonia	240	48	57	9	5	8	33	128	--
Tuberculosis - all forms	186	--	5	3	17	41	85	35	--
Pulmonary tuberculosis	169	--	2	1	16	35	83	32	--
Accidents - all forms	677	13	46	29	84	93	114	310	1
Motor vehicle	210	2	16	13	50	36	43	52	--
Home	251	9	19	5	2	13	15	197	--
Occupational	70	xxx	xxx	xxx	9	20	31	10	--
Public	146	2	11	11	23	24	25	51	1
Cancer	1,407	2	3	2	4	74	504	820	--
Cerebral hemorrhage	1,053	1	2	--	2	22	194	833	--
Diabetes	319	--	--	--	5	19	92	203	--
Diseases of digestive system	408	39	49	16	12	43	122	166	--
Cirrhosis of the liver	68	--	--	1	1	6	24	36	--
Diarrhea and enteritis	43	29	33	1	--	--	1	8	--
Goiter	29	--	--	--	--	5	12	12	--
Heart disease	3,739	1	3	8	18	95	847	2,767	1
Coronary	1,082	--	--	--	1	37	382	662	--
Chronic rheumatic	177	--	1	4	6	18	43	105	--
Homicide	21	1	2	--	2	8	8	1	--
Nephritis	787	1	3	5	5	24	160	590	--
Prostatic disease	99	--	--	--	--	--	5	94	--
Rheumatic fever	6	--	1	1	--	1	1	2	--
Suicide	131	--	--	--	10	34	55	32	--
All other causes	812	35	52	16	25	50	153	516	--
Cause as yet unassigned	68	2	2	3	8	11	16	25	3

Region 4 - Central Area - 1940 population; Total 1,331,175; Urban 551,587; Rural 779,588.

Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.



TABLE VI DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	2,468	190	205	39	63	222	641	1,298	--
Selected causes of death, total	2,208	180	191	31	54	193	576	1,163	--
Diseases of infancy	129	128	128	--	1	--	--	--	--
Maternal causes	5	xxx	xxx	--	3	2	--	--	--
Communicable diseases, total	41	4	5	8	2	3	14	9	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--	--
Poliomyelitis	11	1	1	6	2	1	1	--	--
Scarlet fever	1	--	1	--	--	--	--	--	--
Syphilis	23	2	2	--	--	2	11	8	--
Typhoid & paratyphoid fever	1	--	--	--	--	--	1	--	--
Whooping cough	1	1	1	--	--	--	--	--	--
Other communicable diseases	3	--	--	1	--	--	1	1	--
Acute respiratory diseases	91	14	16	--	3	10	17	45	--
Influenza	15	3	3	--	--	2	4	6	--
Pneumonia	76	11	13	--	3	8	13	39	--
Tuberculosis - all forms	62	--	--	2	6	34	9	11	--
Pulmonary tuberculosis	60	--	--	1	5	34	9	11	--
Accidents - all forms	171	2	7	13	20	32	32	67	--
Motor vehicle	59	--	1	6	11	13	11	17	--
Home	61	2	6	2	3	5	8	37	--
Occupational	21	xxx	xxx	xxx	--	6	10	5	--
Public	30	--	--	5	6	8	3	8	--
Cancer	270	--	--	--	3	19	100	148	--
Cerebral hemorrhage	230	--	--	--	--	5	63	162	--
Diabetes	61	--	--	1	--	--	21	39	--
Diseases of digestive system	110	31	32	3	3	10	27	35	--
Cirrhosis of the liver	30	--	--	--	--	1	14	15	--
Diarrhea and enteritis	33	30	31	1	--	--	--	1	--
Goiter	3	--	--	--	--	2	--	1	--
Heart disease	825	--	1	2	6	52	229	535	--
Coronary	184	--	--	--	1	17	87	79	--
Chronic rheumatic	44	--	--	1	1	11	13	18	--
Homicide	13	1	1	--	1	7	4	--	--
Nephritis	152	--	1	1	2	5	46	97	--
Prostatic disease	8	--	--	--	--	--	3	5	--
Rheumatic fever	3	--	--	1	--	1	1	--	--
Suicide	34	--	--	--	4	11	10	9	--
All other causes	219	6	10	6	5	23	51	124	--
Cause as yet unassigned	41	4	4	2	4	6	14	11	--

Region 5 - East St. Louis Metropolitan Area - 1940 population: Total 316,248; Urban 213,175; Rural 103,073.

Counties: Madison and St. Clair.



TABLE VII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs & over	Unk
Deaths - all causes	5,112	320	385	68	98	355	1,157	3,044	5
Selected causes of death, total	4,535	304	359	62	82	323	1,035	2,670	4
Diseases of infancy	255	251	252	1	--	2	--	--	--
Maternal causes	23	--	--	--	6	16	1	--	--
Communicable diseases, total	97	5	18	14	8	13	23	20	1
Diphtheria	3	--	1	1	1	--	--	--	--
Dysentery - all forms	2	--	--	--	--	--	1	1	--
Encephalitis	2	--	1	--	--	--	--	1	--
Measles	8	3	6	1	--	--	1	--	--
Meningitis	3	--	--	2	1	--	--	--	--
Poliomyelitis	15	--	4	7	4	--	--	--	--
Scarlet fever	1	--	--	1	--	--	--	--	--
Syphilis	40	1	1	--	1	11	15	11	1
Typhoid & paratyphoid fever	3	--	--	1	--	1	--	1	--
Whooping cough	2	--	2	--	--	--	--	--	--
Other communicable diseases	18	1	3	1	1	1	6	6	--
Acute respiratory diseases	157	27	40	2	3	9	21	82	--
Influenza	47	4	6	2	3	3	5	28	--
Pneumonia	110	23	34	--	--	6	16	54	--
Tuberculosis - all forms	133	2	2	1	10	37	48	35	--
Pulmonary tuberculosis	127	--	--	1	9	37	45	35	--
Accidents - all forms	344	3	22	30	34	70	66	122	--
Motor vehicle	104	--	4	14	19	28	22	17	--
Home	114	2	14	5	1	5	10	79	--
Occupational	54	xxx	xxx	xxx	4	25	22	3	--
Public	72	1	4	11	10	12	12	23	--
Cancer	629	--	1	2	2	51	195	378	--
Cerebral hemorrhage	523	--	1	--	--	10	125	387	--
Diabetes	116	--	--	1	--	7	39	68	1
Diseases of digestive system	199	15	22	6	5	20	59	87	--
Cirrhosis of the liver	38	--	--	--	--	3	15	20	--
Diarrhea and enteritis	28	14	17	2	--	1	--	8	--
Goiter	9	--	--	--	--	2	5	2	--
Heart disease	1,580	1	1	2	4	41	340	1,191	1
Coronary	397	--	--	--	--	13	127	257	--
Chronic rheumatic	110	--	--	--	2	9	22	77	--
Homicide	20	--	--	--	4	9	5	2	--
Nephritis	360	--	--	1	1	18	83	256	1
Prostatic disease	28	--	--	--	--	--	1	27	--
Rheumatic fever	2	--	--	1	--	--	--	1	--
Suicide	60	--	--	1	5	18	24	12	--
All other causes	523	14	22	2	8	24	108	358	1
Cause as yet unassigned	54	2	4	4	8	8	14	16	--

Region 6 - Southern Area - 1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

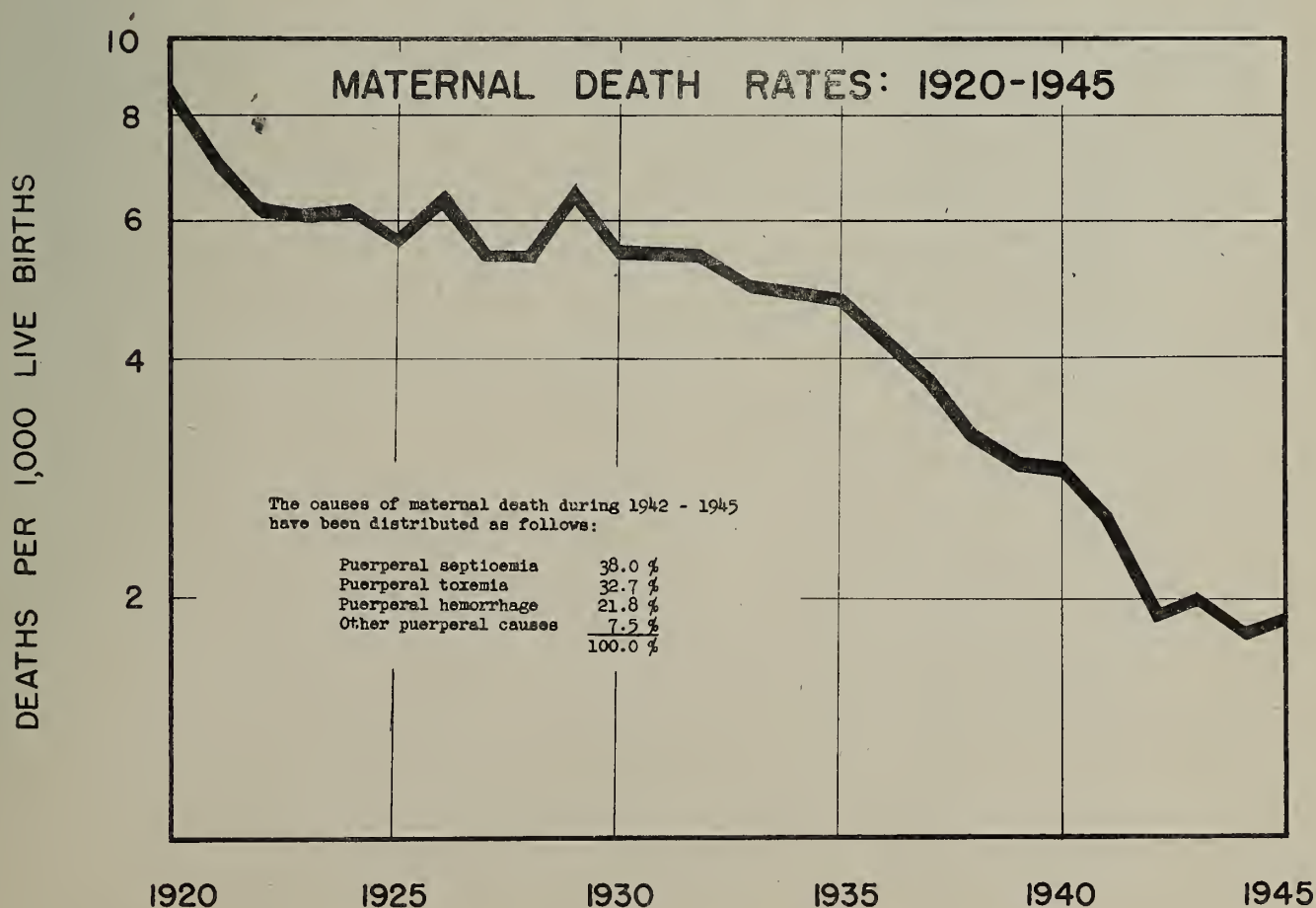
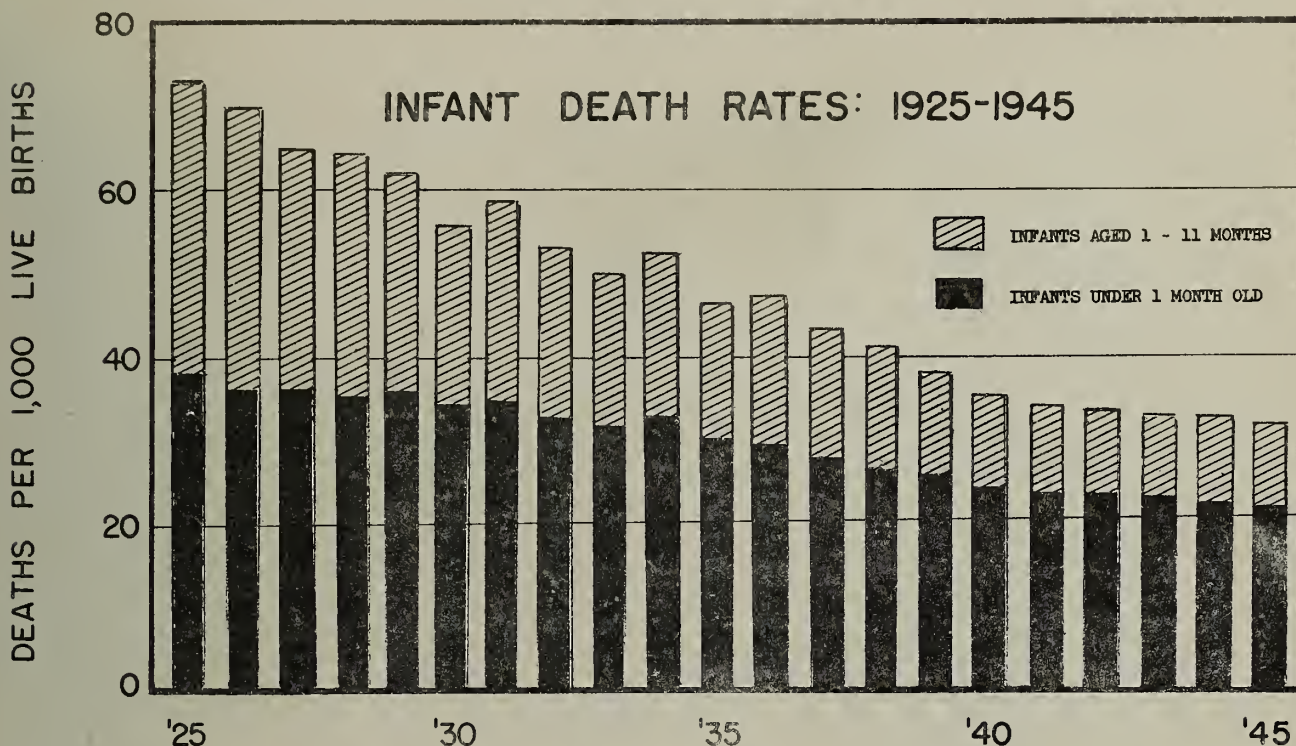
TABLE VIII LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE  
ILLINOIS, FIRST NINE MONTHS, 1946

Area	Live Births	Still-births	Deaths	Area	Live Births	Still-births	Deaths
Entire State	111,697	2,543	66,016	LaSalle	1,522	34	833
Chicago	46,147	1,146	27,760	Lawrence	116	2	136
Downstate	65,550	1,397	38,256	Lee	482	5	425
Adams	974	26	659	Livingston	463	7	304
Alexander	497	18	250	Logan	414	7	281
Bond	24	1	67	McDonough	450	10	245
Boone	279	5	142	McHenry	442	12	285
Brown	42	--	43	McLean	1,215	16	682
Bureau	608	12	300	Macon	1,608	36	751
Calhoun	70	2	33	Macoupin	234	9	236
Carroll	216	8	134	Madison	2,574	58	1,289
Cass	222	4	127	Marion	776	29	306
Champaign	1,508	16	526	Marshall	9	1	63
Christian	536	8	260	Mason	44	--	91
Clark	74	--	116	Massac	174	6	103
Clay	94	5	81	Menard	38	--	44
Clinton	269	4	153	Mercer	12	--	88
Coles	637	14	334	Monroe	12	--	72
Cook	57,331	1,359	34,067	Montgomery	610	8	347
Crawford	274	6	176	Morgan	522	10	589
Cumberland	52	2	66	Moultrie	52	1	76
DeKalb	655	16	319	Ogle	204	2	186
DeWitt	151	3	139	Peoria	3,005	47	1,600
Douglas	258	10	122	Perry	393	10	168
DuPage	1,006	16	771	Piatt	80	3	68
Edgar	332	1	211	Pike	250	3	149
Edwards	48	3	64	Pope	49	1	45
Effingham	506	9	208	Pulaski	93	4	93
Fayette	317	9	187	Putnam	2	--	13
Ford	153	4	101	Randolph	379	10	221
Franklin	404	10	327	Richland	479	14	179
Fulton	561	3	325	Rock Island	1,923	40	1,120
Gallatin	104	3	75	St. Clair	2,409	84	1,373
Greene	264	4	132	Saline	634	13	311
Grundy	234	9	145	Sangamon	1,991	49	1,137
Hamilton	149	3	75	Schuyler	70	2	78
Hancock	136	2	136	Scott	14	--	51
Hardin	97	6	60	Shelby	230	5	172
Henderson	14	--	37	Stark	16	--	38
Henry	627	16	358	Stephenson	806	21	382
Iroquois	385	8	217	Tazewell	600	13	303
Jackson	630	18	289	Union	270	10	343
Jasper	40	4	62	Vermilion	1,342	28	805
Jefferson	541	13	255	Wabash	77	1	93
Jersey	96	5	77	Warren	387	4	186
Jo Daviess	64	3	121	Washington	43	--	96
Johnson	85	2	73	Wayne	167	1	103
Kane	3,002	47	1,631	White	170	2	103
Kankakee	934	19	1,132	Whiteside	643	15	283
Kendall	6	--	51	Will	1,797	36	919
Knox	762	18	497	Williamson	772	18	382
Lake	2,106	53	1,049	Winnebago	2,231	49	900
				Woodford	28	--	90



# INFANT AND MATERNAL MORTALITY IN ILLINOIS

A baby born on July 1, 1946 had a fifty-fifty chance of living until August 13, 2011. On the same date a baby one year old had a fifty-fifty chance of living until April 18, 2012. One year olds have greater life expectancy than the newborn largely because so many babies die in the first month of life.

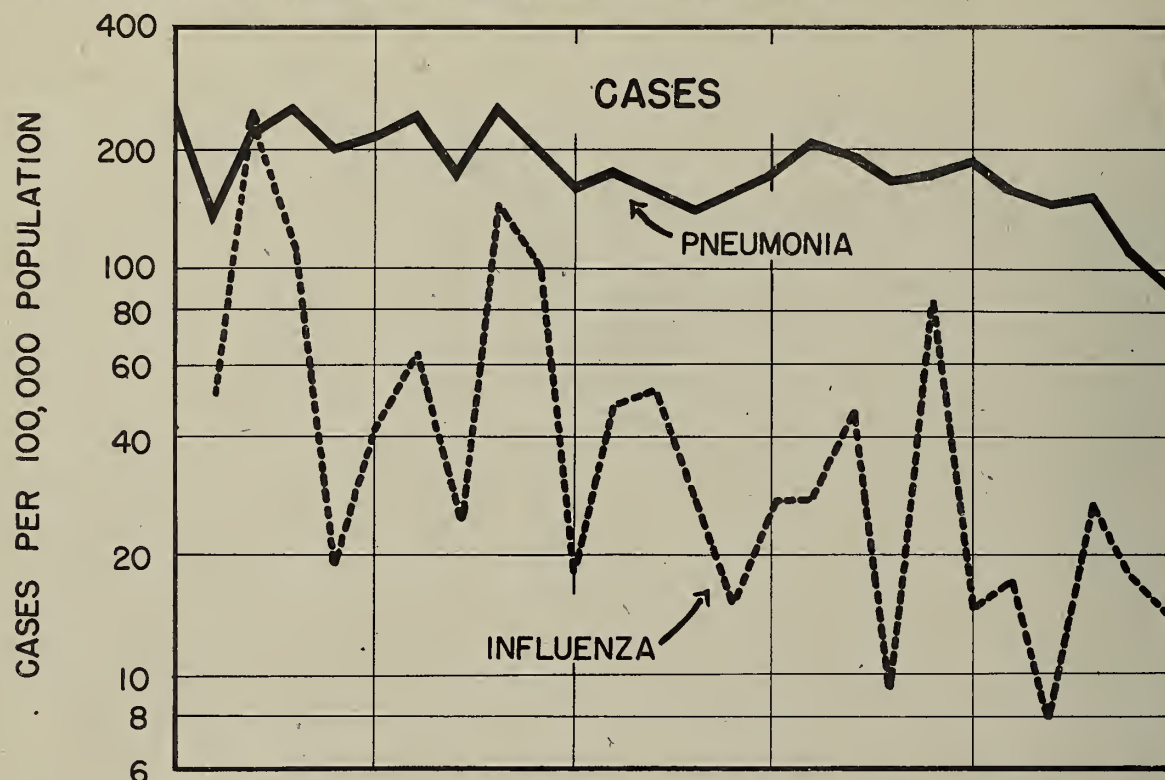


Note: This is a Ratio Chart - Equal vertical distances represent equal PERCENTAGE changes in the rates

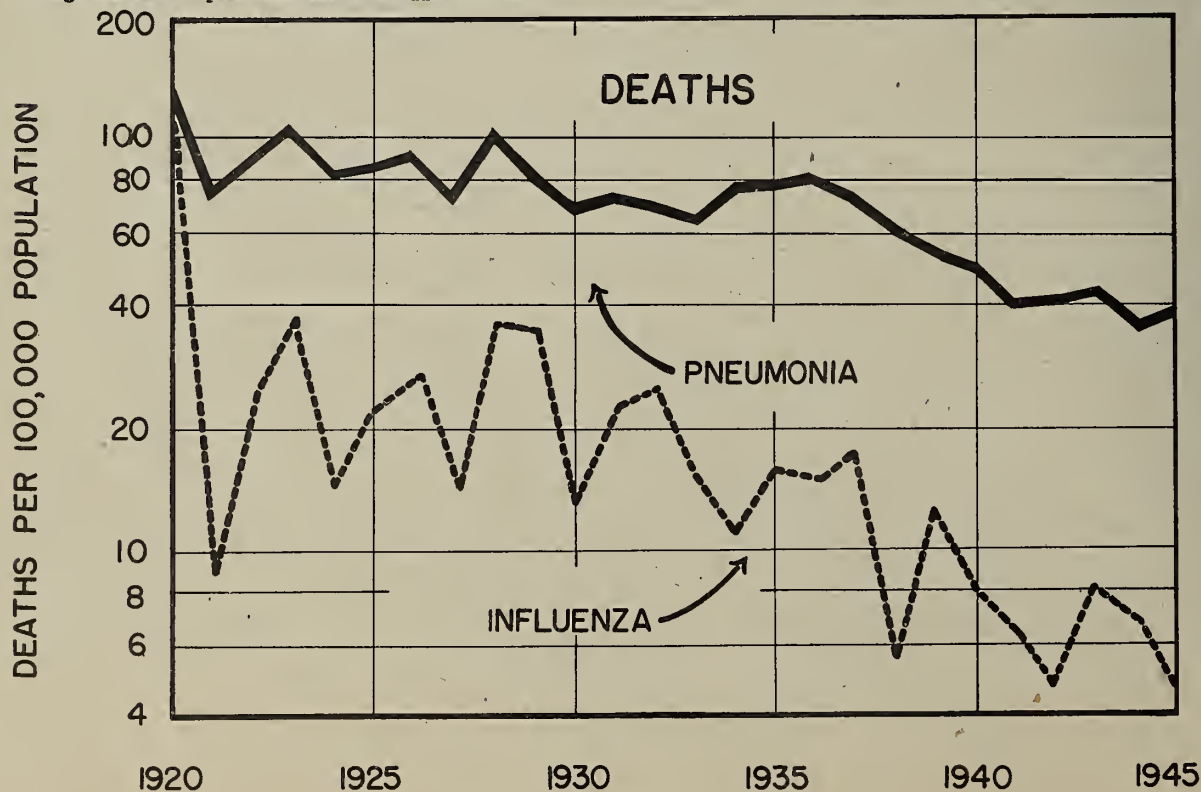


# PNEUMONIA AND INFLUENZA IN ILLINOIS, 1920-1945

Pneumonia and influenza outbreaks usually occur together and follow an almost cyclical pattern. After a severe outbreak of these infections a lull of a year or two takes place before a new epidemic comes along. Case reports in Illinois show that if these diseases were as prevalent now as twenty-five years ago we would be having five times more influenza and one and two-thirds more pneumonia than is now reported.



Deaths from pneumonia and influenza follow closely the pattern of case reports. Mortality from pneumonia since 1937 has dropped much more sharply than cases because of the great advances in treatment. Pneumonia suddenly became less fatal when specific serum came into general use during the late thirties. Then came the sulfa drugs whose liberal use had been successful in treating many pneumonias and apparently wards off pneumonias which would otherwise complicate influenza and other illnesses. Recently the treatment of pneumonias became more effective through the use of penicillin and other antibiotics.



Note: This is a Ratio Chart - Equal vertical distances represent equal PERCENTAGE changes in the rates

# HEALTH STATISTICS BULLETIN

State of Illinois  
Dwight H. Green  
Governor



Department of Public Health  
Roland R. Cross, M.D.  
Director

Division of Vital Statistics & Records—O. K. Sagen, Ph.D., Chief

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1946 Series, No. 3

Springfield, Illinois

March 1, 1947  
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## PROVISIONAL VITAL STATISTICS OF 1946 GROWTH OF POPULATION

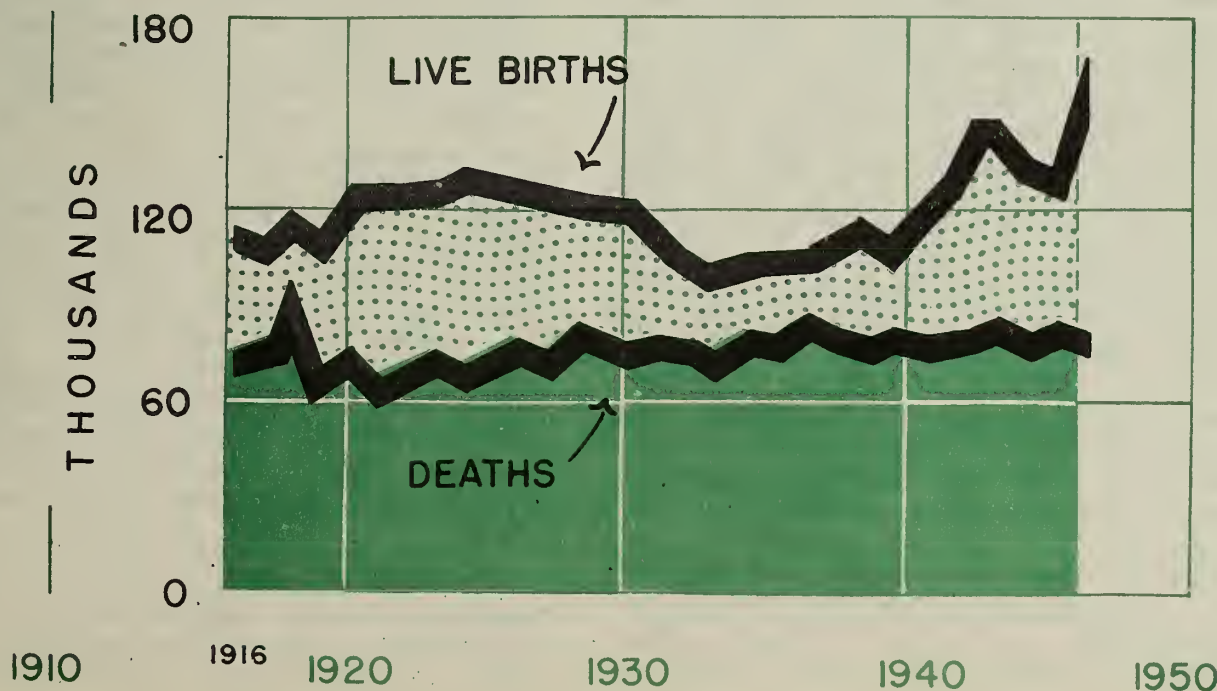
8,180,000

A record-breaking 170,921 livebirths were registered in Illinois for the year 1946. At the same time only 88,373 deaths occurred in the state. The excess of births over deaths provides the state with a natural increase in population amounting to 82,548 persons. The 1946 birth rate of 20.9 livebirths per 1,000 population is the highest in the history of Illinois vital statistics. The low rate of 10.8 deaths per 1,000 population in 1946 is near the all time low of 10.6 encountered in 1933.

Underneath this text is plotted the July 1 population in Illinois for each year from 1910 to 1946. At the bottom of the page are shown the births and deaths which occurred in the state since 1916. No reliable figures on births and deaths in Illinois were collected before 1916.

Despite recent high birth rates, the population is not now growing as rapidly as in the years after World War I, because fewer new residents are entering the state. Lack of in-migration is partially offset by progress in the prevention of early death from disease. But this saving of lives (as evidenced by low death rates) is also causing substantial increases each year in the number of old people. Coupled with large increases in the child population, this has the effect of making many more persons dependent on relatively fewer people in the productive years of life.

5,667,861





# MORTALITY IN ILLINOIS DURING 1946

## THE BRIGHT SIDE

The year 1946 began with a rather high mortality in the first three months brought about by a fairly widespread outbreak of influenza and pneumonia that started in late 1945. Despite this poor beginning the conditions during the remainder of the year were so favorable that the mortality for the year as a whole was only 10.8 deaths per 1,000 persons in the state. In the last 30 years this rate has been bettered only 3 times and equalled only 3 times. Although the population of the state is estimated to have increased nearly half a million, there were only 158 more deaths in 1946 than in 1945.

The fact that low mortality exists, in spite of an aging population wherein year by year an ever increasing proportion faces greater likelihood of death, is encouraging evidence of progress in the saving of life. If present death rates were standardized against what has been taken to be a standard distribution of people into age groups, the resulting standardized rates would be generally lower than those heretofore encountered, even for such causes as now give very high crude death rates.

The greatest number of deaths (and therefore the highest crude death rate) is seen in heart disease. Every year sees a great number of heart deaths, but in 1946 the crude rate dropped to 384 per 100,000 population from the 408 in 1945. This drop in the rate comes from the fact that the increase in deaths from this cause did not keep pace with the growth of population. A similar situation is observed for cancer, where the crude rate fell off from 164 in 1945 to 157 per 100,000 population in 1946, even though the total number of deaths increased. Other leading diseases having lower crude rates for the same reason were cerebral hemorrhage, diabetes, nephritis, and diseases of the digestive system.

The most outstanding progress in saving lives was among newborn babies and their mothers. Despite the great number of births in 1946, which taxed obstetric

and pediatric facilities to the greatest extent ever, deaths associated with childbearing reached an all time low of 1.3 maternal deaths per 1,000 livebirths and deaths of babies under 1 year of age dropped to 30.3 infant deaths per 1,000 live births, the lowest in history.

TABLE A--PROVISIONAL VITAL  
STATISTICS RATES FOR ILLINOIS

	1946	1945
Deaths per 1,000 population	10.8	11.4
Live births per 1,000 population	20.9	17.3
Stillbirths per 1,000 live births	21.3	21.9
Infant deaths per 1,000 live births	30.3	31.8
Maternal deaths per 1 000 live births	1.3	1.8

Although the stillbirth rate is also at a minimum, it is hazardous to draw conclusions because the reporting of stillbirths is far from complete and there is no way of knowing whether the reporting is better or worse now than before. What evidence there is indicates that better and more prenatal care is being given the expectant mother and that this helps save lives. Continued improvement is possible, as can be seen from comparing conditions in the various parts of the state. In the city of Chicago the infant and maternal death rates are 28.8 and 1.2 per 1,000 live births, respectively; in the rest of the state the infant death rate is 31.3 and the maternal death rate 1.5. The fact that these rates are based on occurrences rather than residence makes the disparity more important, because Chicago, as an important medical center, tends to draw into the city many cases with complications.

Incidental good news is the fact that for the 8th successive year there has not been a death from smallpox in the state. However, as long as even a few



cases of the disease occur it remains a threat and requires continued immunization against the disease. Deaths from meningitis were almost halved and indications are that the wartime boom in this disease has nearly been abated.

TABLE B--CRUDE DEATH RATES  
FOR THE TEN LEADING CAUSES

Deaths per 100,000 population		
	1946	1945
Heart disease	383.5	408.2
Cancer	157.1	164.4
Cerebral hemorrhage	86.1	92.5
Nephritis	68.1	78.4
Accidents	64.3	64.7
(Motor vehicle)	(20.4)	(18.6)
Influenza and Pneumonia	36.9	41.3
Tuberculosis	36.1	40.0
Diabetes	31.1	34.7
Premature birth	23.8	17.6
Arteriosclerosis	18.6	21.0

#### THE DARK SIDE

The adverse events of 1946 which come most readily to mind are the epidemic of poliomyelitis and two tragic accidents. There were 171 deaths from polio, nearly double the number in 1945 and 19 more than the previous high of 152 deaths in 1943. The railroad wreck at Naperville in May led to 46 deaths and the holocaust at the LaSalle Hotel in Chicago caused 61 deaths. These two catastrophes significantly increased the proportion of deaths from public accidents for the year.

An epidemic and a spectacular wreck or fire focus attention because they, fortunately, are unusual. But the greatest dangers to life are unfortunately too often passed over just because they are familiar every day occurrences. Increased use of automobiles has brought on a sharp increase in auto accidents. The 1669 deaths from motor vehicle accidents in 1946 were 16% higher than in 1945 and almost 27% above the low reached in 1944 when the greatest restrictions on auto traffic were effective. While motor vehicle fatalities are well under the peak figure of 2600 reached in 1941, the trend

shows that we need not be surprised if that figure is soon approached or even passed. Probably the worst feature of the mortality from accidents is that it strikes heavily on children and on persons in the productive years of life. The importance of accidental death in this last group is demonstrated by the charts on page 12 of this bulletin.

While the downward trend of deaths from tuberculosis continued in 1946, this disease is always a great cause for concern because of its impact on individuals in the earlier years of maturity. The charts on the last page show tuberculosis as the second most frequent cause of death in persons in each of the age groups 15-24 and 25-44 years.

A prime cause for concern is the doubling of deaths from diphtheria in 1946 over 1945. Despite the fact that diphtheria can be prevented by immunization, the disease caused 13 deaths in 1946 among children under 5 years, as opposed to only 6 deaths in 1945. Similarly, the 9 deaths among children aged 5-14 were 3 more than for those ages during 1945. A new problem is created by the increase in diphtheria among adults. In 1946 there were 9 deaths from diphtheria in persons 15 years old and over as opposed to only 3 deaths in 1945; of the 9 deaths in this age group, 5 were in the ages 15 to 25.

Although death from whooping cough dropped off sharply in 1946, the 30 deaths from this cause make a tragic commentary on the failure to immunize all babies against the disease. Certain fatal infectious diseases usually infrequent as causes of death, were sharply higher in 1946 than in 1945. Tularemia accounted for 9 deaths as compared with 6 in 1945, and Rocky Mountain spotted fever caused 4 deaths in 1946 as opposed to none in the previous year.

Suicides and homicides increased sharply in 1946 over 1945. Suicide rates were at their lowest during the war period and were at their highest during the years of economic uncertainty from 1930 through 1934. Homicide was also very low during the war years.



TABLE I LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE

ILLINOIS, 1946

County	Population	Live Births	Still-births	Deaths	County	Population	Live Births	Still-births	Deaths
Entire State	8180000	170921	3645	88373	LaSalle	101625	2262	50	1080
Chicago	3600000	73800	1725	37267	Lawrence	20694	162	2	179
Downstate	4580000	97121	1920	51106	Lee	34944	712	8	564
Adams	62923	1468	38	883	Livingston	38188	684	13	388
Alexander	22509	750	30	320	Logan	28629	591	13	384
Bond	14071	35	1	86	McDonough	27281	643	16	342
Boone	15798	401	8	181	McHenry	40248	677	19	399
Brown	7005	55	--	58	McLean	70753	1751	24	913
Bureau	36278	846	17	416	Macon	90073	2452	53	980
Calhoun	7153	103	4	46	Macoupin	43695	356	10	315
Carroll	18696	335	14	175	Madison	175318	3883	89	1741
Cass	15151	320	10	170	Marion	43189	1144	42	409
Champaign	73964	2205	25	713	Marshall	12229	16	1	99
Christian	36387	799	12	354	Mason	14831	59	2	119
Clark	17004	104	--	147	Massac	13721	244	9	149
Clay	16903	159	7	111	Menard	9379	48	--	61
Clinton	21030	385	5	204	Mercer	17166	19	--	109
Coles	36894	953	21	455	Monroe	12702	16	--	94
Cook	4300502	90025	1944	45768	Montgomery	30915	910	12	460
Crawford	20164	411	7	231	Morgan	33925	771	20	773
Cumberland	10247	70	4	83	Moultrie	12309	78	1	106
DeKalb	35843	946	17	415	Ogle	30178	312	3	269
DeWitt	17170	224	6	176	Peoria	154366	4436	66	2105
Douglas	16124	394	12	165	Perry	22047	595	19	230
DuPage	120514	1474	29	999	Piatt	13457	123	4	100
Edgar	23567	486	4	280	Pike	22740	345	5	204
Edwards	8519	69	3	81	Pope	6309	69	1	58
Effingham	19603	752	15	267	Pulaski	14064	140	7	129
Fayette	25651	492	11	256	Putnam	4862	3	--	17
Ford	14481	221	4	140	Randolph	31788	569	15	302
Franklin	47797	603	13	448	Richland	15789	712	16	239
Fulton	44004	853	9	427	Rock Island	124888	2833	50	1514
Gallatin	9910	150	4	97	St. Clair	185914	3911	110	1877
Greene	19140	416	12	177	Saline	33483	992	16	408
Grundy	19850	330	10	183	Sangamon	122876	2966	63	1527
Hamilton	13406	231	5	106	Schuyler	10032	111	2	95
Hancock	25246	202	4	195	Scott	7108	18	1	67
Hardin	8381	149	9	77	Shelby	24194	351	6	220
Henderson	8282	23	--	46	Stark	8335	16	--	52
Henry	42443	955	27	462	Stephenson	41608	1153	27	520
Iroquois	30652	533	15	289	Tazewell	61243	860	19	400
Jackson	35781	1027	21	399	Union	20343	403	14	460
Jasper	11879	56	5	82	Vermilion	82061	1976	41	1075
Jefferson	34937	855	21	332	Wabash	14011	152	2	123
Jersey	13588	145	5	94	Warren	20517	571	6	258
Jo Daviess	21256	103	4	164	Washington	14777	64	1	120
Johnson	8984	132	3	86	Wayne	20017	239	2	133
Kane	139711	4334	65	2161	White	21211	239	2	141
Kankakee	65903	1412	23	1449	Whiteside	44290	983	21	397
Kendall	10765	7	--	62	Will	126675	2627	43	1263
Knox	51208	1186	23	663	Williamson	48553	1194	27	509
Lake	129840	3054	76	1366	Winnebago	134661	3196	70	1237
					Woodford	18675	46	--	115



TABLE II LIVE BIRTHS AND DEATHS IN ILLINOIS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Live births	170,921	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	88,373	5,171	6,043	904	1,863	7,692	27,442	44,407	22
Selected causes of death, total	82,233	4,900	5,620	768	1,599	6,957	25,922	41,350	17
Diseases of infancy	4,148	3,977	4,048	27	26	30	15	2	--
Maternal causes	229	xxx	xxx	1	57	169	2	--	--
Communicable diseases, total	1,298	68	172	125	86	218	479	217	1
Diphtheria	31	2	13	9	5	2	1	1	--
Dysentery - all forms	22	2	2	1	2	7	6	4	--
Encephalitis	21	1	4	1	--	2	9	5	--
Measles	53	5	33	14	2	1	2	1	--
Meningitis	73	10	26	12	9	9	14	3	--
Polioomyelitis	171	2	23	68	40	35	5	--	--
Scarlet fever	10	--	2	2	3	1	2	--	--
Syphilis	745	20	21	--	11	135	404	173	1
Typhoid & paratyphoid fever	10	--	--	1	1	4	3	1	--
Whooping cough	30	20	29	1	--	--	--	--	--
Other communicable diseases	132	6	19	16	13	22	33	29	--
Acute respiratory diseases	3,019	477	615	56	54	299	789	1,206	--
Influenza	237	25	54	6	9	19	37	112	--
Pneumonia	2,782	452	561	50	45	280	752	1,094	--
Tuberculosis - all forms	2,954	20	82	50	322	1,008	1,099	392	1
Pulmonary tuberculosis	2,680	9	33	27	290	930	1,038	361	1
Accidents - all forms	5,259	109	311	294	529	903	1,295	1,919	8
Motor vehicle	1,669	6	67	137	299	347	430	389	--
Home	1,727	89	195	51	30	144	262	1,045	--
Occupational	518	xxx	xxx	xxx	45	175	226	72	--
Public	1,345	14	49	106	155	237	377	413	8
Cancer	12,847	4	34	30	78	1,005	5,526	6,173	1
Cerebral hemorrhage	7,044	6	13	6	22	255	2,042	4,706	--
Diabetes	2,541	1	3	5	17	115	964	1,436	1
Diseases of digestive system	3,735	228	289	67	78	526	1,513	1,262	--
Cirrhosis of the liver	978	2	5	2	5	143	509	314	--
Diarrhea and enteritis	242	166	188	5	1	9	10	29	--
Goiter	201	--	--	--	4	36	94	67	--
Heart disease	31,373	5	16	54	143	1,522	9,948	19,686	4
Coronary	7,356	--	--	--	6	440	3,133	3,777	--
Chronic rheumatic	1,513	1	5	30	64	260	529	625	--
Homicide	450	2	7	9	64	235	117	18	--
Nephritis	5,568	2	21	23	57	358	1,536	3,572	1
Prostatic disease	582	--	--	--	1	1	84	496	--
Rheumatic fever	61	1	9	19	8	14	6	5	--
Suicide	924	xxx	xxx	2	53	263	413	193	--
All other causes	5,591	248	378	116	193	623	1,366	2,914	1
Cause as yet unassigned	549	23	45	20	71	112	154	143	4

TABLE III DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45- 64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	50,159	2,810	3,252	457	961	4,919	18,103	22,463	4
Selected causes of death, total	47,442	2,679	3,036	389	834	4,522	17,281	21,377	3
Diseases of infancy	2,292	2,205	2,239	12	12	19	8	2	--
Maternal causes	124	xxx	xxx	--	29	94	1	--	--
Communicable diseases, total	592	33	72	61	39	108	225	87	--
Diphtheria	22	2	7	7	4	2	1	1	--
Dysentery - all forms	10	--	--	1	--	4	4	1	--
Encephalitis	7	--	1	--	--	1	5	--	--
Measles	18	2	11	6	1	--	--	--	--
Meningitis	48	5	17	6	5	7	10	3	--
Poliomyelitis	85	--	7	37	17	23	1	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	337	11	11	--	7	55	191	73	--
Typhoid & paratyphoid fever	3	--	--	--	1	2	--	--	--
Whooping cough	11	9	10	1	--	--	--	--	--
Other communicable diseases	50	4	8	3	4	13	13	9	--
Acute respiratory diseases	1,851	283	349	29	27	214	594	638	--
Influenza	72	11	24	--	3	8	15	22	--
Pneumonia	1,779	272	325	29	24	206	579	616	--
Tuberculosis - all forms	2,033	16	67	33	236	731	775	190	1
Pulmonary tuberculosis	1,822	9	29	13	213	670	726	170	1
Accidents - all forms	2,597	58	146	145	189	418	810	888	1
Motor vehicle	809	--	26	73	106	145	254	205	--
Home	816	50	102	24	15	88	172	415	--
Occupational	228	xxx	xxx	--	14	64	116	34	--
Public	744	8	18	48	54	121	268	234	1
Cancer	7,714	2	25	17	43	655	3,631	3,342	1
Cerebral hemorrhage	3,524	3	7	4	14	172	1,277	2,050	--
Diabetes	1,558	1	2	1	7	64	665	819	--
Diseases of digestive system	2,212	74	104	27	37	359	1,043	642	--
Cirrhosis of the liver	678	2	4	1	3	119	382	169	--
Diarrhea and enteritis	56	37	44	--	1	4	5	2	--
Goiter	126	--	--	--	4	23	64	35	--
Heart disease	18,633	3	8	32	96	1,085	6,826	10,586	--
Coronary	3,648	--	--	--	3	272	1,780	1,593	--
Chronic rheumatic	840	1	3	20	46	182	354	235	--
Homicide	325	--	1	6	45	180	82	11	--
Nephritis	3,056	--	12	9	29	248	997	1,761	--
Prostatic disease	290	--	--	--	1	1	56	232	--
Rheumatic fever	33	1	4	13	4	10	1	1	--
Suicide	482	xxx	xxx	--	22	141	226	93	--
All other causes	2,493	123	194	62	97	341	746	1,053	--
Cause as yet unassigned	224	8	22	6	30	56	76	33	1

Region 1 - Chicago Metropolitan Area - 1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.

Counties: Cook, DuPage, Kane, Lake, and Will.



TABLE IV DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1946

	Total	Under 1 yr.	0-4 yrs	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	9,335	567	691	132	169	691	2,338	5,311	3
Selected causes of death, total	8,609	540	641	107	142	607	2,183	4,926	3
Diseases of infancy	467	430	447	10	5	4	1	--	--
Maternal causes	22	xxx	xxx	1	4	17	--	--	--
Communicable diseases, total	246	8	25	16	13	57	100	35	--
Diphtheria	2	--	2	--	--	--	--	--	--
Dysentery - all forms	4	1	1	--	2	1	--	--	--
Encephalitis	7	--	1	--	--	1	2	3	--
Measles	16	--	9	4	1	1	1	--	--
Meningitis	8	2	2	2	--	1	3	--	--
Poliomyelitis	25	--	2	7	7	7	2	--	--
Scarlet fever	1	--	--	--	--	--	1	--	--
Syphilis	166	2	2	--	2	43	88	31	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	3	2	3	--	--	--	--	--	--
Other communicable diseases	14	1	3	3	1	3	3	1	--
Acute respiratory diseases	336	52	74	10	4	31	56	161	--
Influenza	37	4	8	3	--	1	2	23	--
Pneumonia	299	48	66	7	4	30	54	138	--
Tuberculosis - all forms	274	1	4	9	22	84	98	57	--
Pulmonary tuberculosis	259	--	2	9	21	77	95	55	--
Accidents - all forms	577	13	43	36	54	92	106	245	1
Motor vehicle	164	2	11	10	28	41	33	41	--
Home	235	10	22	9	3	13	32	156	--
Occupational	57	xxx	xxx	--	6	22	18	11	--
Public	121	1	10	17	17	16	23	37	1
Cancer	1,239	--	5	1	2	77	439	715	--
Cerebral hemorrhage	793	2	3	1	3	17	170	599	--
Diabetes	248	--	1	2	3	15	78	149	--
Diseases of digestive system	379	34	36	9	6	48	120	160	--
Cirrhosis of the liver	81	--	--	--	--	8	34	39	--
Diarrhea and enteritis	38	29	30	--	--	2	3	3	--
Goiter	18	--	--	--	--	1	5	12	--
Heart disease	3,304	--	1	5	8	108	846	2,334	2
Coronary	1,038	--	--	--	1	48	372	617	--
Chronic rheumatic	132	--	--	--	3	15	45	69	--
Homicide	10	--	--	1	--	3	4	2	--
Nephritis	526	--	1	3	10	29	109	374	--
Prostatic disease	67	--	--	--	--	--	5	62	--
Rheumatic fever	8	--	1	3	1	--	2	1	--
Suicide	95	xxx	xxx	--	7	24	44	20	--
All other causes	688	26	44	22	21	79	151	371	--
Cause as yet unassigned	38	1	6	3	6	5	4	14	--

Region 2 - Northern Area - 1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, 1946

	Total	Under 1 yr.	0-4 yrs	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over
Deaths - all causes	2,364	151	167	17	48	193	606	1,333
Selected causes of death, total	2,116	138	152	14	42	165	566	1,177
Diseases of infancy	112	106	107	1	--	--	4	--
Maternal causes	9	xxx	xxx	--	2	7	--	--
Communicable diseases, total	54	5	8	2	1	8	20	15
Diphtheria	1	--	1	--	--	--	--	--
Dysentery - all forms	1	--	--	--	--	--	1	--
Encephalitis	1	--	--	--	--	--	1	--
Measles	1	--	1	--	--	--	--	--
Meningitis	4	2	3	1	--	--	--	--
Poliomyelitis	1	--	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--
Syphilis	41	1	1	--	--	8	18	14
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--
Whooping cough	2	2	2	--	--	--	--	--
Other communicable diseases	2	--	--	--	1	--	--	1
Acute respiratory diseases	64	7	8	--	1	5	14	36
Influenza	6	--	--	--	--	--	2	4
Pneumonia	58	7	8	--	1	5	12	32
Tuberculosis - all forms	64	--	--	--	5	23	19	17
Pulmonary tuberculosis	60	--	--	--	4	22	19	15
Accidents - all forms	177	2	6	5	23	25	23	95
Motor vehicle	38	--	1	2	13	8	6	8
Home	96	2	5	--	2	6	7	76
Occupational	17	xxx	xxx	--	1	9	7	--
Public	26	--	--	3	7	2	3	11
Cancer	350	--	--	2	1	29	139	179
Cerebral hemorrhage	166	1	1	--	1	5	33	126
Diabetes	63	--	--	--	--	3	23	37
Diseases of digestive system	116	17	19	1	4	8	39	45
Cirrhosis of the liver	21	--	--	--	1	--	12	8
Diarrhea and enteritis	20	15	16	--	--	1	1	2
Goiter	2	--	--	--	--	1	--	1
Heart disease	726	--	1	1	1	28	205	490
Coronary	224	--	--	--	--	13	86	125
Chronic rheumatic	70	--	1	1	1	8	22	37
Homicide	11	--	--	--	2	6	2	1
Nephritis	153	--	1	2	--	6	32	112
Prostatic disease	23	--	--	--	--	--	4	19
Rheumatic fever	1	--	1	--	--	--	--	--
Suicide	25	xxx	xxx	--	1	11	9	4
All other causes	244	13	15	3	6	27	38	155
Cause as yet unassigned	4	--	--	--	--	1	2	1

Region 3 - Peoria Metropolitan Area - 1940 population; Total 211,736; Urban 139,211;  
Rural 72,525.

Counties: Peoria and Tazewell.



TABLE VI DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	14,212	852	1,011	147	286	756	3,268	8,739	5
Selected causes of death, total	13,043	799	934	124	239	671	3,051	8,022	2
Diseases of infancy	669	645	658	3	3	4	1	--	--
Maternal causes	32	xxx	xxx	--	9	23	--	--	--
Communicable diseases, total	196	9	29	20	9	21	75	42	--
Diphtheria	2	--	1	1	--	--	--	--	--
Dysentery - all forms	4	--	--	--	--	2	--	2	--
Encephalitis	4	1	1	1	--	--	1	1	--
Measles	7	--	4	2	--	--	--	1	--
Meningitis	7	1	4	--	1	1	1	--	--
Poliomylitis	23	--	5	9	5	3	1	--	--
Scarlet fever	3	--	1	1	--	--	1	--	--
Syphilis	106	2	2	--	1	10	63	30	--
Typhoid & paratyphoid fever	2	--	--	--	--	1	1	--	--
Whooping cough	8	5	8	--	--	--	--	--	--
Other communicable diseases	30	--	3	6	2	4	7	8	--
Acute respiratory diseases	390	71	97	11	9	18	56	199	--
Influenza	48	2	10	--	2	3	9	24	--
Pneumonia	342	69	87	11	7	15	47	175	--
Tuberculosis - all forms	252	--	5	3	28	57	107	52	--
Pulmonary tuberculosis	230	--	2	1	26	50	103	48	--
Accidents - all forms	905	22	67	44	110	122	162	399	1
Motor vehicle	294	3	20	21	69	56	60	68	--
Home	327	17	34	7	5	14	26	241	--
Occupational	90	xxx	xxx	--	10	24	40	16	--
Public	194	2	13	16	26	28	36	74	1
Cancer	1,875	2	3	7	5	97	654	1,109	--
Cerebral hemorrhage	1,418	1	2	1	2	32	276	1,105	--
Diabetes	412	--	--	--	5	23	114	270	--
Diseases of digestive system	527	45	59	18	16	52	155	227	--
Cirrhosis of the liver	91	--	--	1	1	8	29	52	--
Diarrhea and enteritis	50	33	39	1	--	--	1	9	--
Goiter	34	--	--	--	--	5	15	14	--
Heart disease	4,928	1	4	8	21	123	1,133	3,638	1
Coronary	1,468	--	--	--	1	46	526	895	--
Chronic rheumatic	238	--	1	4	9	23	54	147	--
Homicide	32	1	2	--	4	11	13	2	--
Nephritis	1,071	2	6	7	7	42	210	799	--
Prostatic disease	130	--	--	--	--	--	9	121	--
Rheumatic fever	7	--	2	1	--	1	1	2	--
Suicide	165	xxx	xxx	1	11	40	70	43	--
All other causes	1,076	51	74	19	35	71	194	683	--
Cause as yet unassigned	93	2	3	4	12	14	23	34	3

Region 4 - Central Area - 1940 population; Total 1,331,175; Urban 551,587; Rural 779,588.

Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over
Deaths - all causes	3,347	264	288	45	90	306	862	1,756
Selected causes of death, total	3,004	248	268	36	76	264	782	1,578
Diseases of infancy	189	186	186	--	2	1	--	--
Maternal causes	7	xxx	xxx	--	3	4	--	--
Communicable diseases, total	56	5	7	8	3	5	21	12
Diphtheria	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--
Measles	1	--	1	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--
Poliomyelitis	12	1	1	6	3	1	1	--
Scarlet fever	1	--	1	--	--	--	--	--
Syphilis	35	3	3	--	--	4	18	10
Typhoid & paratyphoid fever	1	--	--	--	--	--	1	--
Whooping cough	1	1	1	--	--	--	--	--
Other communicable diseases	4	--	--	1	--	--	1	2
Acute respiratory diseases	118	18	20	--	3	15	27	53
Influenza	17	3	3	--	--	3	4	7
Pneumonia	101	15	17	--	3	12	23	46
Tuberculosis - all forms	88	--	1	3	9	41	19	15
Pulmonary tuberculosis	85	--	--	2	8	41	19	15
Accidents - all forms	243	5	12	15	31	45	44	96
Motor vehicle	93	--	1	7	18	21	17	29
Home	81	4	10	3	4	8	11	45
Occupational	26	xxx	xxx	--	1	8	11	6
Public	43	1	1	5	8	8	5	16
Cancer	371	--	--	--	3	26	147	195
Cerebral hemorrhage	321	--	--	--	--	8	88	225
Diabetes	79	--	--	1	--	--	26	52
Diseases of digestive system	147	33	36	3	4	17	39	48
Cirrhosis of the liver	41	--	1	--	--	3	18	19
Diarrhea and enteritis	37	32	34	1	--	--	--	2
Goiter	4	--	--	--	--	2	1	1
Heart disease	1,100	--	1	2	7	64	293	733
Coronary	266	--	--	--	1	25	121	119
Chronic rheumatic	56	--	--	1	1	13	14	27
Homicide	25	1	4	2	4	11	4	--
Nephritis	194	--	1	1	3	7	51	131
Prostatic disease	10	--	--	--	--	--	3	7
Rheumatic fever	4	--	--	1	--	2	1	--
Suicide	48	xxx	xxx	--	4	16	18	10
All other causes	278	10	14	7	7	32	60	158
Cause as yet unassigned	65	6	6	2	7	10	20	20

Region 5 - East St. Louis Metropolitan Area - 1940 population: Total 316,248; Urban 213,175; Rural 103,073.  
Counties: Madison and St. Clair.



TABLE VIII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	6,844	457	538	90	135	480	1,535	4,061	5
Selected causes of death, total	6,099	432	501	83	115	438	1,384	3,574	4
Diseases of infancy	362	354	357	1	1	2	1	--	--
Maternal causes	28	xxx	xxx	--	8	19	1	--	--
Communicable diseases, total	120	8	25	15	8	17	31	23	1
Diphtheria	4	--	2	1	1	--	--	--	--
Dysentery - all forms	3	1	1	--	--	--	1	1	--
Encephalitis	2	--	1	--	--	--	--	1	--
Measles	8	3	6	1	--	--	1	--	--
Meningitis	3	--	--	2	1	--	--	--	--
Poliomyelitis	19	1	7	8	4	--	--	--	--
Scarlet fever	1	--	--	1	--	--	--	--	--
Syphilis	50	1	1	--	1	14	21	12	1
Typhoid & paratyphoid fever	3	--	--	1	--	1	--	1	--
Whooping cough	3	1	3	--	--	--	--	--	--
Other communicable diseases	24	1	4	1	1	2	8	8	--
Acute respiratory diseases	207	40	56	6	3	12	27	103	--
Influenza	51	5	8	3	3	3	5	29	--
Pneumonia	156	35	48	3	--	9	22	74	--
Tuberculosis - all forms	185	3	3	1	15	50	63	53	--
Pulmonary tuberculosis	176	--	--	1	14	50	60	51	--
Accidents - all forms	466	6	29	41	47	94	90	165	--
Motor vehicle	148	--	4	20	28	36	31	29	--
Home	147	5	19	6	1	8	12	101	--
Occupational	67	xxx	xxx	--	5	30	28	4	--
Public	104	1	6	15	13	20	19	31	--
Cancer	844	--	1	2	4	66	263	508	--
Cerebral hemorrhage	686	--	1	--	1	14	156	514	--
Diabetes	153	--	--	1	--	9	50	92	1
Diseases of digestive system	270	20	28	7	8	26	84	117	--
Cirrhosis of the liver	49	--	--	--	--	3	21	25	--
Diarrhea and enteritis	35	17	21	2	--	1	--	11	--
Goiter	12	--	--	--	--	3	7	2	--
Heart disease	2,141	1	1	6	6	72	463	1,592	1
Coronary	541	--	--	--	--	23	177	341	--
Chronic rheumatic	153	--	--	4	3	15	32	99	--
Homicide	30	--	--	--	7	14	7	2	--
Nephritis	472	--	--	1	2	19	105	344	1
Prostatic disease	42	--	--	--	--	--	2	40	--
Rheumatic fever	3	--	--	1	--	1	--	1	--
Suicide	78	xxx	xxx	1	5	20	34	18	--
All other causes	666	20	30	2	12	30	132	459	1
Cause as yet unassigned	79	5	7	5	8	12	19	28	--

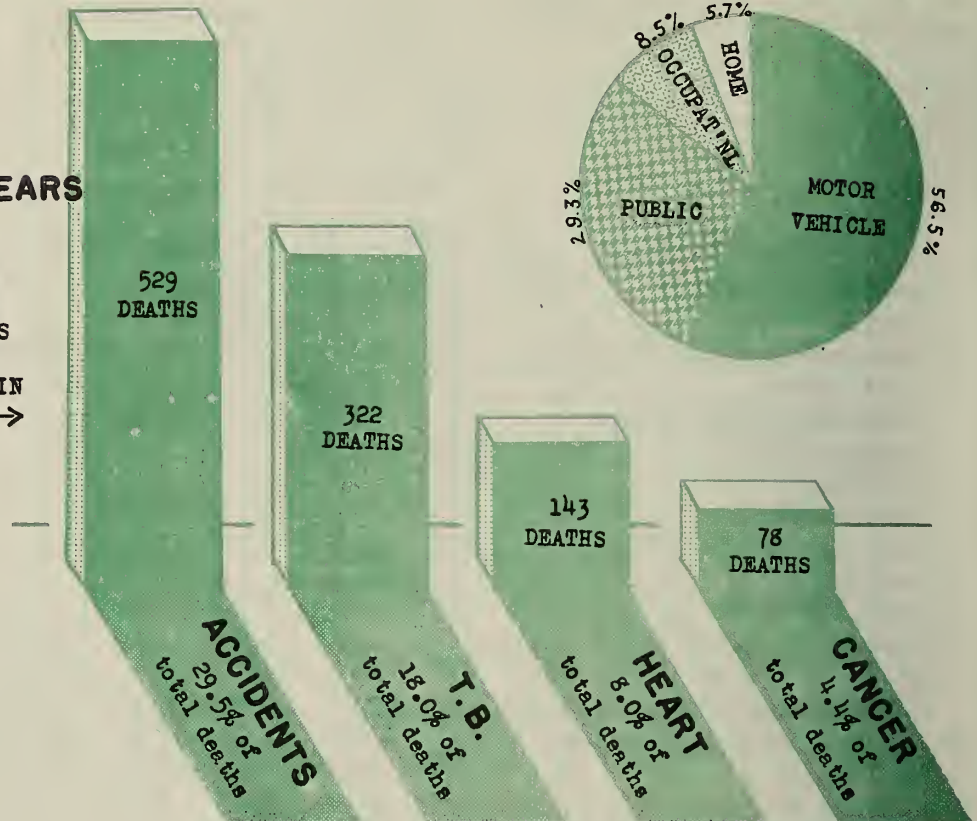
Region 6 - Southern Area - 1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

# MORTALITY IN THE PRODUCTIVE YEARS OF LIFE

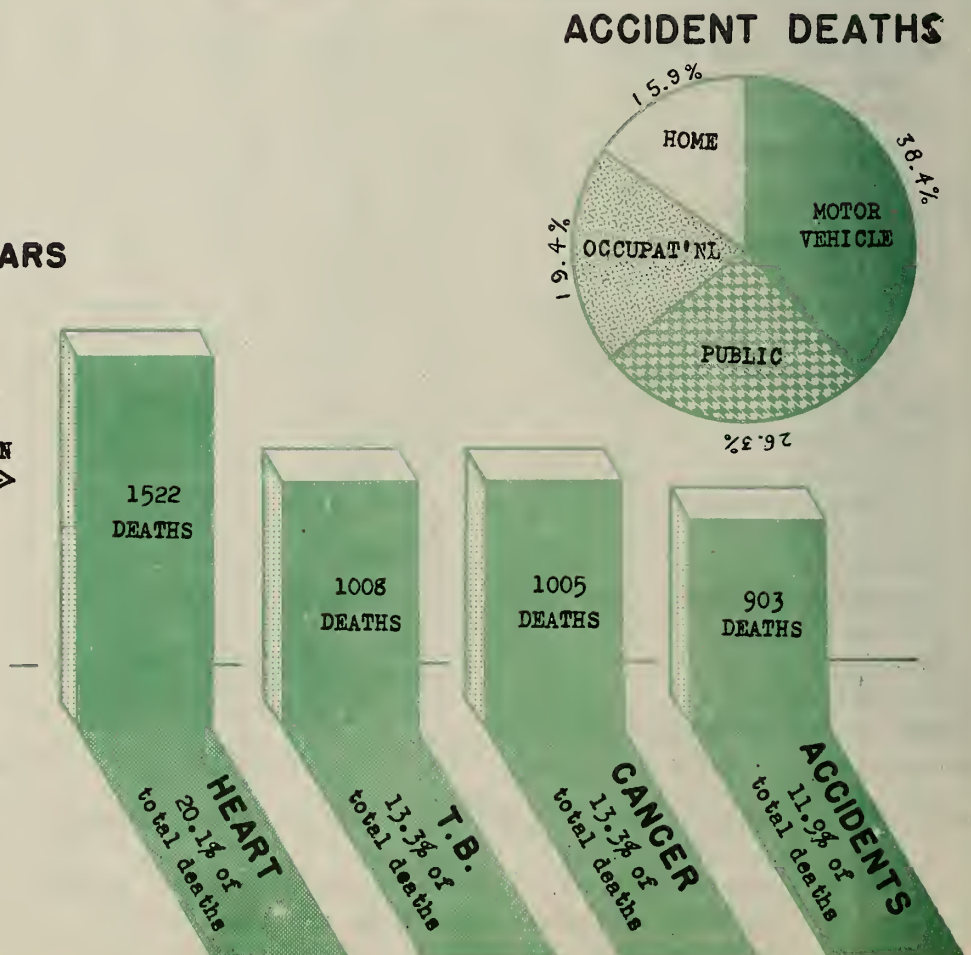
## PEOPLE OF AGE 15-24 YEARS

ARE 17.1% OF THE POPULATION  
AND  
ACCOUNT FOR 2.1% OF ALL DEATHS  
THE 4 LEADING CAUSES OF DEATH IN  
THIS AGE GROUP WERE →



## PEOPLE OF AGE 25-44 YEARS

ARE 31.3% OF THE POPULATION  
AND  
ACCOUNT FOR 8.7% OF ALL DEATHS  
THE 4 LEADING CAUSES OF DEATH IN  
THIS AGE GROUP WERE →





# HEALTH STATISTICS BULLETIN

State of Illinois  
Dwight H. Green  
Governor



Department of Public Health  
Roland R. Cross, M. D.  
Director

Division of Vital Statistics & Records--- O. K. Sagen, Ph.D., Chief

1947 Series, No. 1

Springfield, Illinois

July 1, 1947

## VITAL STATISTICS OF FIRST QUARTER 1947

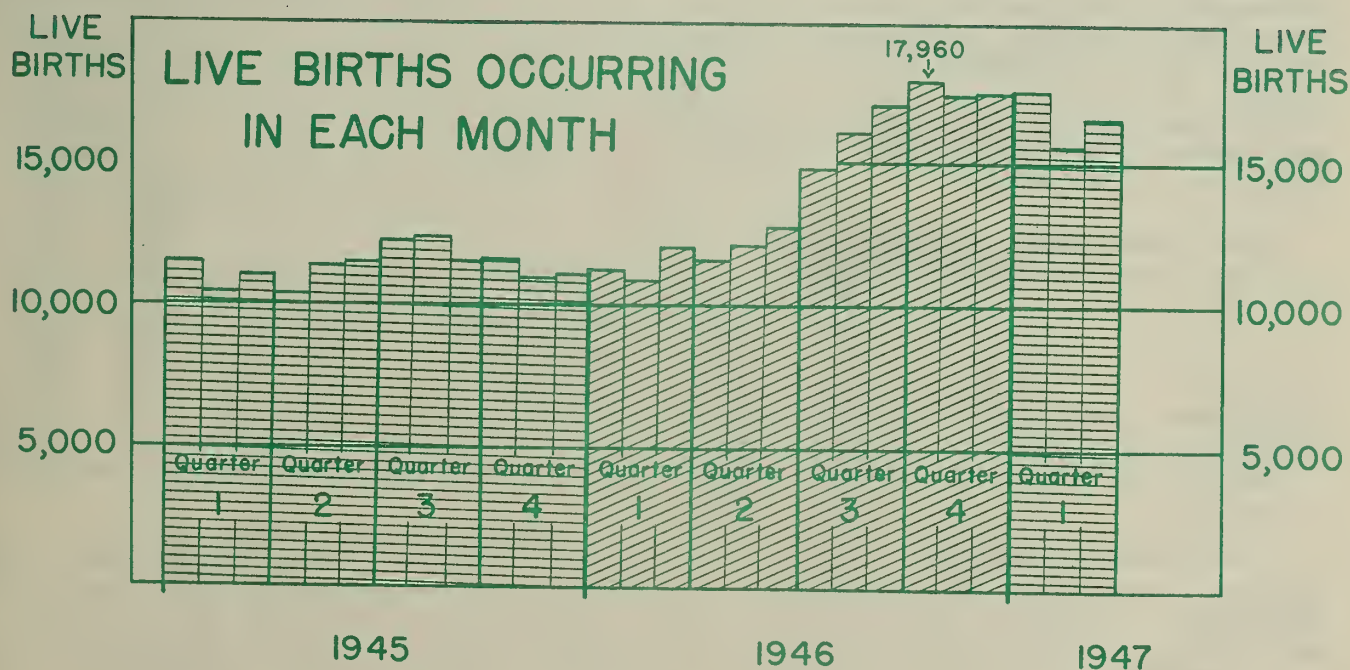
### BOOM IN BIRTHS SLACKENS

The great boom in births during 1946 leveled off after reaching its peak in October and began to recede in 1947. Almost 18,000 babies were born in October 1946, equivalent to an annual birth rate of 26.3 per 1,000 inhabitants. The births occurring in the first three months of 1947 are equivalent to an annual rate of 24. per 1,000 inhabitants. Incomplete returns for April and May indicate continuance of a slight downward trend. Despite this, indications are that the total births in 1947 will exceed 185,000

with a birth rate for the year of about 22.5 per 1,000 inhabitants in the state.

The Illinois experience parallels the record for the country as a whole. However, the national birth rate runs about 5% over Illinois'. The Illinois birth rate is usually about the lowest among the 48 states.

Although births are expected to slow up still more during 1947, the high marriage rates during the latter part of 1946 presage another peak in births during the first half of 1948.





# MORTALITY IN THE FIRST QUARTER OF 1947

## CONTINUED PROGRESS IN DEFERMENT OF DEATH

There were 968 more deaths in Illinois during the first three months of 1947 than in 1946. The equivalent annual crude death rate for the first quarter of this year was 12.1 deaths per 1,000 inhabitants as opposed to 11.8 for the same period of last year. This much of the mortality picture makes present health conditions appear worse than a year ago.

Actually, a closer analysis of the mortality record shows that conditions have improved rather remarkably. This year there were 226 fewer deaths among those aged 1 to 44 years, despite there being more people in these ages now than last year. All of this year's increase in deaths was among less-than-year-old babies and people past their forty-fifth birthday.

TABLE A - BIRTH AND DEATH RATES IN FIRST QUARTER

	1947	1946
LIVE BIRTHS per 1,000 population	22.8	15.0
DEATHS per 1,000 population	12.1	11.8

Note: Rates are expressed as their ANNUAL equivalents, based on estimates of Illinois' population in the first quarter as follows: Feb. 15, 1947 - 8,260,000; Feb. 15, 1946 - 8,150,000.

Although 448 more infants died this year than last in the months of January through March, the infant mortality rate is 3.3 per thousand live births below 1946. Even more remarkable is the saving of life among the mothers who have given us the boom in babies. There were 57 maternal deaths last year and exactly the same number this year. Consequently, the first quarter maternal mortality rate dropped from a satisfactory 1.9 deaths per thousand live births in 1946 to a phenomenally low 1.2 for 1947.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY  
PER THOUSAND LIVE BIRTHS IN FIRST QUARTER

Cause	1947	1946
STILLBIRTHS	19.4	23.5
NEONATAL DEATHS (under 1 month)	22.9	24.3
INFANT DEATHS (under 1 year)	33.1	36.4
(Premature birth, infants only)	(10.4)	(11.8)
MATERNAL DEATHS	1.2	1.9

Encouragingly few deaths from the infectious diseases were recorded. Tuberculosis registered a decrease of 66 deaths from last year's first quarter figure, forcing the equivalent annual rate down from 37.4 to 33.7

TB deaths per 100 thousand inhabitants of the State. (The drop in this death rate needs to be discounted somewhat because part of the reduction is a numerical quirk due to the population base having increased most in the age group where TB is at a minimum, namely, childhood).

TABLE C - FIRST QUARTER MORTALITY FROM THE TEN  
LEADING CAUSES

Cause	Deaths per 100 thousand	
	1947	1946
1. HEART DISEASE	463.6	437.2
2. CANCER	158.9	156.2
3. CEREBRAL HEMORRHAGE	98.3	94.4
4. NEPHRITIS	71.4	78.4
5. ALL ACCIDENTS	66.5	62.4
6. INFLUENZA AND PNEUMONIA	60.4	58.7
7. TUBERCULOSIS	33.7	37.4
8. DIABETES	36.6	36.9
9. PREMATURE BIRTH (any age)	23.7	17.7
10. ARTERIOSCLEROSIS	20.1	22.3

Note: Rates are expressed as their annual equivalents.

Pneumonia deaths were 71 above last year, but this is in effect an improvement upon the 1946 experience. This year there were 4 fewer deaths among all persons over one year old. While 75 more babies died, the bumper crop of babies in 1947 held the rate at 4.4 pneumonia deaths per thousand among infants less than a year old.

TABLE D - ACCIDENTAL DEATHS IN FIRST QUARTER

Cause	Number of deaths		Deaths per 100 thousand	
	1947	1946	1947	1946
ALL ACCIDENTS	1,373	1,272	66.5	62.4
Motor vehicle	380	412	18.4	20.2
Home accidents	525	457	25.4	22.4
Occupational	225	113	10.9	5.5
Public accidents	243	290	11.8	14.2

Note: Rates are expressed as their annual equivalents.

Accidental deaths might have been fewer in this year's first quarter than last year's, had it not been for the tragic Centuria coal mine explosion which claimed 111 lives on March 25. Less dramatic but equally tragic is the 15% jump in fatalities from



accidents in the home. This dismal record is partially offset by a decrease of 79 in deaths from public and motor vehicle accidents. The 8% drop in auto accident deaths is particularly gratifying because it reverses the upward trend which began with the removal of wartime mileage restrictions.

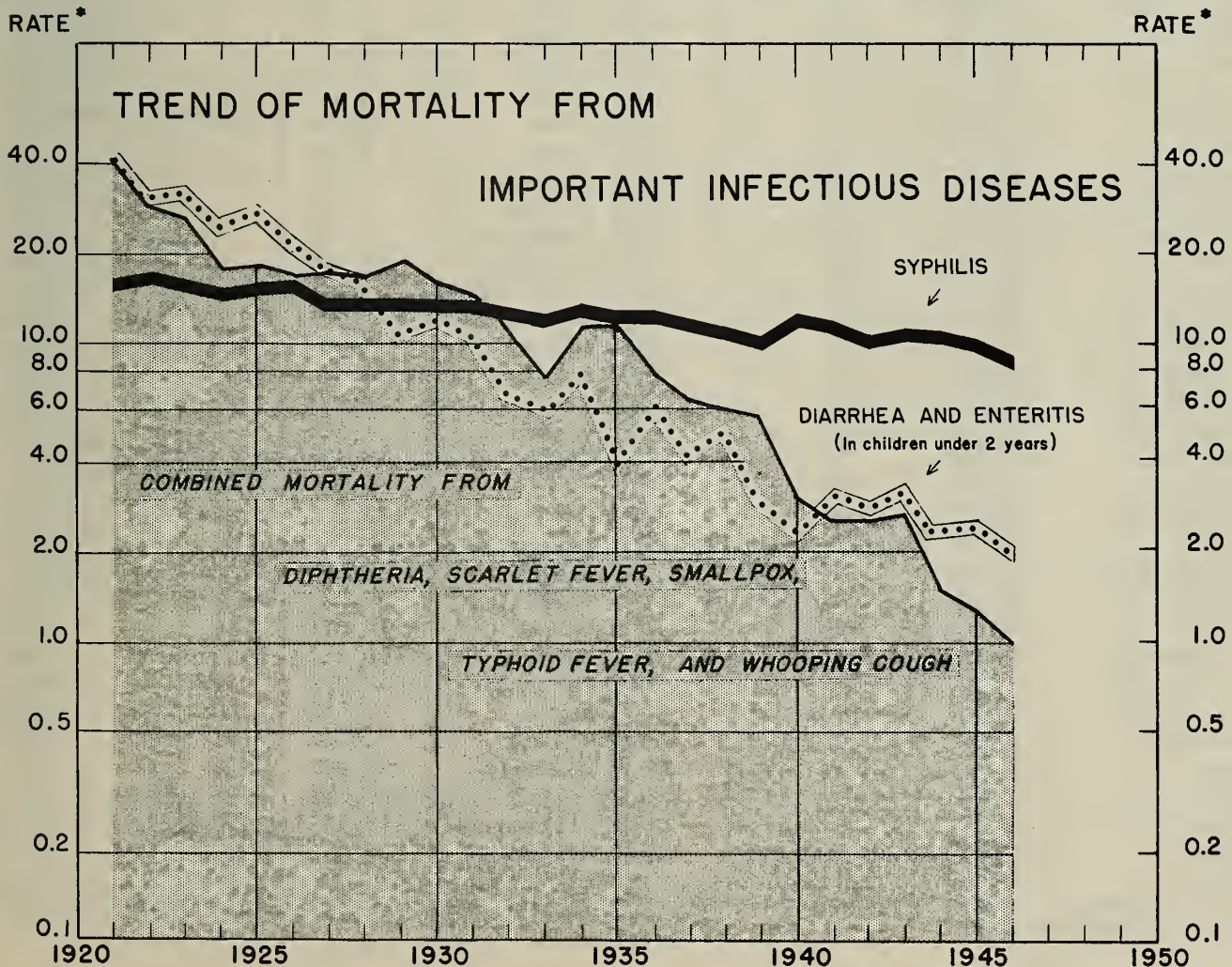
Deaths from heart disease, cancer, and cerebral hemorrhage in the first quarter were substantially higher in 1947 than in 1946, both as to number and crude rate. Nevertheless, improved conditions are reflected in the actual decrease in deaths from these causes among people under 45 years of age. The year-by-year, month-by-month increase in total mortality from these three leading causes characteristically represents DEFERRED MORTALITY. Furthermore, these increases actually measure a growing success in deferring death and lengthening the average span of life. Such striking progress in postponing death lends emphasis to the challenge in the next great problem, to wit, the cultivation and preservation of positive good health throughout life.

\* \* \* \* \*

TABLE E - MORTALITY TREND FOR IMPORTANT INFECTIOUS DISEASES, 1921-1946  
Based on deaths occurring in Illinois

YEARS	SELECTED COMMUNICABLE DISEASES					TOTAL	DIARRHEA & ENTERITIS < 2	SYPHILIS
	DIPHTHERIA	SCARLET FEVER	SMALL-POX	TYPHOID FEVER	WHOOPING COUGH			
1921	21.5	5.7	0.4	5.7	7.4	40.7	45.2	16.7
1922	16.8	4.3	0.3	4.1	3.4	28.9	32.2	17.2
1923	11.3	3.2	0.0	4.4	7.3	26.2	33.5	16.1
1924	6.5	2.9	0.2	3.3	4.9	17.8	26.0	15.1
1925	5.6	3.7	0.3	4.4	4.3	18.3	29.2	16.0
1926	5.6	3.2	0.1	3.1	5.0	17.0	22.9	16.2
1927	8.6	2.3	0.0	2.3	4.1	17.3	18.3	14.0
1928	8.6	2.1	0.1	2.1	3.6	16.5	16.4	14.1
1929	9.9	4.0	0.2	1.4	3.4	18.9	11.6	14.1
1930	7.1	4.0	0.1	2.0	2.4	15.6	12.6	13.9
1931	5.0	4.7	0.1	1.7	2.9	14.4	11.1	14.0
1932	3.1	3.4	0.0	1.6	2.9	11.0	7.1	13.0
1933	1.7	3.6	0.0	1.4	1.0	7.7	6.4	12.4
1934	2.0	3.9	-0-	1.6	3.9	11.4	8.4	13.6
1935	2.7	5.2	0.0	1.1	2.7	11.7	4.4	12.8
1936	2.2	3.0	0.0	0.9	1.9	8.0	6.6	13.0
1937	1.9	2.0	-0-	0.7	1.9	6.5	4.5	12.1
1938	1.5	1.7	0.0	0.7	2.1	6.0	5.5	11.6
1939	1.5	0.9	-0-	1.3	2.0	5.7	3.1	10.5
1940	1.1	0.8	-0-	0.4	0.8	3.1	2.5	12.8
1941	0.7	0.5	-0-	0.3	1.1	2.6	3.3	12.0
1942	0.8	0.4	-0-	0.2	1.2	2.6	3.0	10.6
1943	1.0	0.3	-0-	0.1	1.3	2.7	3.4	11.2
1944	0.3	0.4	-0-	0.2	0.6	1.5	2.5	11.0
1945	0.2	0.3	-0-	0.1	0.7	1.3	2.6	10.3
1946	0.4	0.1	-0-	0.1	0.4	1.0	2.2	9.1

Note on smallpox: In years with rate 0.0 there were from 1 to 3 deaths. Zero deaths is indicated by -0-.



\* Deaths per 100,000 inhabitants of the state



TABLE I LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, FIRST QUARTER 1947

County	*Estimated Population	Live Births	Still-births	Deaths	County	*Estimated Population	Live Births	Still-births	Deaths
Entire State	8,180,000	47,173	915	24,981	LaSalle	101,625	626	14	288
Chicago	3,600,000	19,306	402	10,526	Lawrence	20,694	34	--	48
Downstate	4,580,000	27,867	513	14,455	Lee	34,944	186	4	113
Adams	62,923	422	8	259	Livingston	38,188	202	8	106
Alexander	22,509	220	9	100	Logan	28,629	162	6	132
Bond	14,071	14	--	26	McDonough	27,281	176	5	102
Boone	15,798	115	2	59	McHenry	40,248	219	1	113
Brown	7,005	11	--	20	McLean	70,753	495	3	234
Bureau	36,278	257	4	129	Macon	90,073	726	12	257
Calhoun	7,153	18	2	15	Macoupin	43,695	65	--	75
Carroll	18,696	89	1	45	Madison	175,318	1,128	18	507
Cass	15,151	98	1	46	Marion	43,189	301	6	123
Champaign	73,964	669	8	204	Marshall	12,229	6	--	33
Christian	36,387	232	3	95	Mason	14,831	13	--	27
Clark	17,004	26	1	37	Massac	13,721	88	2	52
Clay	16,903	29	2	33	Menard	9,379	6	--	17
Clinton	21,030	96	3	56	Mercer	17,166	6	1	31
Coles	36,894	279	12	116	Monroe	12,702	7	--	23
Cook	4,300,502	23,873	471	12,835	Montgomery	30,915	242	2	124
Crawford	20,164	138	5	66	Morgan	33,925	212	6	243
Cumberland	10,247	22	--	27	Moultrie	12,309	10	--	24
DeKalb	35,843	271	3	113	Ogle	30,178	79	1	74
DeWitt	17,170	61	2	45	Peoria	154,366	1,310	27	575
Douglas	16,124	107	3	50	Perry	22,047	140	5	78
DuPage	120,514	476	6	268	Piatt	13,457	43	--	30
Edgar	23,567	133	1	74	Pike	22,740	106	--	68
Edwards	8,519	17	2	24	Pope	6,309	20	--	22
Effingham	19,603	236	3	71	Pulaski	14,064	37	2	36
Fayette	25,651	144	5	84	Putnam	4,862	--	--	9
Ford	14,481	86	1	39	Randolph	31,788	175	2	95
Franklin	47,797	126	5	115	Richland	15,789	172	5	78
Fulton	44,004	253	4	115	Rock Island	124,888	849	6	416
Gallatin	9,910	32	1	23	St. Clair	185,914	1,139	28	590
Greene	19,140	75	4	42	Saline	33,483	280	3	114
Grundy	19,850	101	--	45	Sangamon	122,876	870	20	437
Hamilton	13,406	61	1	37	Schuyler	10,032	32	1	29
Hancock	25,246	65	2	66	Scott	7,108	7	--	12
Hardin	8,381	49	2	23	Shelby	24,194	114	2	62
Henderson	8,282	4	--	11	Stark	8,335	1	--	11
Henry	42,443	293	4	143	Stephenson	41,608	364	6	153
Iroquois	30,652	146	3	71	Tazewell	61,243	252	6	125
Jackson	35,781	288	12	108	Union	20,343	135	4	157
Jasper	11,879	22	1	18	Vermilion	82,061	557	5	328
Jefferson	34,937	287	2	91	Wabash	14,011	49	--	31
Jersey	13,588	32	1	33	Warren	20,517	162	1	69
Jo Daviess	21,256	18	--	45	Washington	14,777	16	--	140
Johnson	8,984	26	1	26	Wayne	20,017	68	1	43
Kane	139,711	1,235	19	562	White	21,211	61	1	44
Kankakee	65,903	388	12	411	Whiteside	44,290	234	10	94
Kendall	10,765	--	--	10	Will	126,675	720	10	351
Knox	51,208	375	3	169	Williamson	48,553	319	11	149
Lake	129,840	952	17	365	Winnebago	134,661	973	17	379
					Woodford	18,675	12	1	45

\* Estimated population as of July 1, 1946.



TABLE II DEATHS IN ILLINOIS, FIRST QUARTER 1947

(All occurrences within the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 <sup>1</sup> yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	24,980	1,560	1,782	178	410	1,885	7,632	13,089	4
SELECTED CAUSES OF DEATH	23,287	1,451	1,618	142	347	1,691	7,221	12,265	3
Diseases of infancy	1,132	1,083	1,101	6	5	11	6	3	--
Maternal causes	57	xxx	xxx	--	19	38	--	xxx	--
Communicable diseases, total	248	25	38	7	5	34	105	59	--
Diphtheria	4	--	2	1	1	--	--	--	--
Dysentery - all forms	4	2	3	--	--	1	--	--	--
Encephalitis	3	--	--	--	1	--	--	2	--
Measles	4	2	2	1	1	--	--	--	--
Meningitis	18	5	8	2	--	2	4	2	--
Poliomyelitis	2	--	--	1	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	179	2	2	1	1	28	99	48	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	14	11	13	1	--	--	--	--	--
Other communicable diseases	20	3	8	--	--	3	2	7	--
Acute respiratory diseases	1,248	222	270	16	14	96	323	529	--
Influenza	132	13	20	3	2	7	20	80	--
Pneumonia	1,116	209	250	13	12	89	303	449	--
Tuberculosis - all forms	696	2	8	10	76	229	269	104	--
Pulmonary tuberculosis	640	--	2	6	69	212	256	95	--
Accidents - all forms	1,373	37	78	59	111	241	382	502	--
Motor vehicle	380	2	10	25	66	97	120	62	--
Home	525	33	63	20	11	41	66	324	--
Occupational	225	xxx	xxx	1	12	70	117	25	--
Public	243	2	5	13	22	33	79	91	--
Cancer	3,281	--	11	14	19	249	1,408	1,579	1
Cerebral hemorrhage	2,030	--	4	--	5	53	558	1,410	--
Diabetes	756	--	1	2	10	34	268	441	--
Diseases of digestive system	913	72	88	8	11	125	378	303	--
Cirrhosis of the liver	274	3	4	--	--	41	149	80	--
Diarrhea and enteritis	73	54	63	--	1	2	2	5	--
Goiter	52	--	--	--	1	8	25	18	--
Heart disease	9,574	5	10	10	26	379	2,999	6,148	2
Coronary	2,199	--	--	--	1	123	920	1,155	--
Chronic rheumatic	461	--	1	4	9	77	169	201	--
Homicide	91	4	4	--	16	47	19	5	--
Nephritis	1,474	1	5	4	12	93	375	985	--
Prostatic disease	141	--	--	--	--	--	19	122	--
Rheumatic fever	9	--	--	5	1	2	1	--	--
Suicide	212	xxx	xxx	1	16	52	86	57	--
ALL OTHER CAUSES	1,548	100	148	32	42	169	374	782	1
CAUSE AS YET UNASSIGNED	145	9	16	4	21	25	37	42	--

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST QUARTER 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	14,045	838	948	95	206	1,217	5,027	6,551	1
SELECTED CAUSES OF DEATH	13,254	771	850	77	169	1,106	4,798	6,253	1
Diseases of infancy	608	582	591	4	4	3	5	1	--
Maternal causes	28	xxx	xxx	--	7	21	--	xxx	--
Communicable diseases, total	115	13	16	3	1	15	54	26	--
Diphtheria	1	--	--	--	1	--	--	--	--
Dysentery - all forms	1	--	--	--	--	1	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	2	2	2	--	--	--	--	--	--
Meningitis	16	3	6	2	--	2	4	2	--
Poliomyelitis	1	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	81	1	1	--	--	10	49	21	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	5	5	5	--	--	--	--	--	--
Other communicable diseases	8	2	2	--	--	2	1	3	--
Acute respiratory diseases	692	121	143	7	4	66	238	234	--
Influenza	21	2	3	2	--	1	7	8	--
Pneumonia	671	119	140	5	4	65	231	226	--
Tuberculosis - all forms	472	1	5	9	57	163	188	50	--
Pulmonary tuberculosis	433	--	1	5	51	149	180	47	--
Accidents - all forms	596	14	35	28	27	105	189	212	--
Motor vehicle	161	--	4	12	8	36	66	35	--
Home	244	14	31	12	8	22	47	124	--
Occupational	56	xxx	xxx	--	2	25	26	3	--
Public	135	--	--	4	9	22	50	50	--
Cancer	1,996	--	6	6	14	167	927	875	1
Cerebral hemorrhage	917	--	--	--	2	36	316	563	--
Diabetes	458	--	1	1	5	20	180	251	--
Diseases of digestive system	531	35	43	5	7	79	248	149	--
Cirrhosis of the liver	197	3	4	--	--	29	118	46	--
Diarrhea and enteritis	28	22	24	--	--	1	1	2	--
Goiter	32	--	--	--	--	5	17	10	--
Heart disease	5,762	2	4	9	18	294	2,127	3,310	--
Coronary	1,106	--	--	--	--	86	548	472	--
Chronic rheumatic	259	--	--	4	7	62	116	70	--
Homicide	65	3	3	--	8	36	14	4	--
Nephritis	795	--	3	1	7	66	234	484	--
Prostatic disease	64	--	--	--	--	--	12	52	--
Rheumatic fever	7	--	--	3	1	2	1	--	--
Suicide	116	xxx	xxx	1	7	28	48	32	--
ALL OTHER CAUSES	714	62	91	17	26	94	202	284	--
CAUSE AS YET UNASSIGNED	77	5	7	1	11	17	27	14	--

Chicago Metropolitan Area (Region 1)--1940 population: Total 4,532,332; Urban 256,601; Rural 275,731.

Counties: Cook, DuPage, Kane, Lake, and Will.

(See masthead for map of State by Regions.)



TABLE IV DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST QUARTER 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 <sup>1</sup> yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	2,616	166	205	26	38	150	606	1,591	--
SELECTED CAUSES OF DEATH	2,411	163	191	21	30	122	568	1,479	--
Diseases of infancy	130	122	126	--	1	2	1	--	--
Maternal causes	9	xxx	xxx	--	2	7	--	xxx	--
Communicable diseases, total	39	2	5	2	1	4	13	14	--
Diphtheria	1	--	--	1	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	2	2	2	--	--	--	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	29	--	--	1	--	4	12	12	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	--	--	--	--	--	--	--	--	--
Other communicable diseases	6	--	3	--	--	--	1	2	--
Acute respiratory diseases	150	25	36	1	5	6	26	76	--
Influenza	19	1	3	--	1	--	5	10	--
Pneumonia	131	24	33	1	4	6	21	66	--
Tuberculosis - all forms	58	--	1	1	--	17	25	14	--
Pulmonary tuberculosis	52	--	1	1	--	16	22	12	--
Accidents - all forms	140	7	12	10	14	19	27	58	--
Motor vehicle	39	--	1	3	9	9	9	8	--
Home	60	6	7	2	1	5	6	39	--
Occupational	9	xxx	xxx	1	1	2	4	1	--
Public	32	1	4	4	3	3	8	10	--
Cancer	300	--	1	5	--	13	104	177	--
Cerebral hemorrhage	238	--	--	--	2	4	57	175	--
Diabetes	72	--	--	1	--	2	17	52	--
Diseases of digestive system	103	6	8	--	2	16	41	36	--
Cirrhosis of the liver	19	--	--	--	--	4	9	6	--
Diarrhea and enteritis	9	4	6	--	--	1	--	2	--
Goiter	8	--	--	--	--	1	3	4	--
Heart disease	988	1	2	--	--	17	214	755	--
Coronary	288	--	--	--	--	8	97	183	--
Chronic rheumatic	40	--	--	--	--	2	10	28	--
Homicide	2	--	--	--	--	2	--	--	--
Nephritis	136	--	--	1	2	6	30	97	--
Prostatic disease	17	--	--	--	--	--	1	16	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	21	xxx	xxx	--	1	6	9	5	--
ALL OTHER CAUSES	193	3	12	4	5	27	38	107	--
CAUSE AS YET UNASSIGNED	12	--	2	1	3	1	--	5	--

Northern Area (Region 2)--1940 population: Total 782,705; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kanebake, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST QUARTER 1947  
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	664	42	45	3	7	41	161	407	--
SELECTED CAUSES OF DEATH	603	39	42	3	5	35	147	371	--
Diseases of infancy	34	33	33	1	--	--	--	--	--
Maternal causes	3	xxx	xxx	--	1	2	--	xxx	--
Communicable diseases, total	9	--	2	--	--	1	4	2	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	7	--	--	--	--	1	4	2	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	1	--	1	--	--	--	--	--	--
Other communicable diseases	1	--	1	--	--	--	--	--	--
Acute respiratory diseases	37	4	4	--	1	1	8	23	--
Influenza	5	--	--	--	1	1	--	3	--
Pneumonia	32	4	4	--	--	--	8	20	--
Tuberculosis - all forms	13	--	--	--	--	4	2	7	--
Pulmonary tuberculosis	12	--	--	--	--	4	2	6	--
Accidents - all forms	43	2	3	1	--	9	7	23	--
Motor vehicle	11	--	1	--	--	6	4	--	--
Home	22	1	1	--	--	1	1	19	--
Occupational	3	xxx	xxx	--	--	1	--	2	--
Public	7	1	1	1	--	1	2	2	--
Cancer	76	--	--	--	--	5	34	37	--
Cerebral hemorrhage	57	--	--	--	--	1	13	43	--
Diabetes	17	--	--	--	1	2	6	8	--
Diseases of digestive system	15	--	--	1	--	1	5	8	--
Cirrhosis of the liver	4	--	--	--	--	1	1	2	--
Diarrhea and enteritis	--	--	--	--	--	--	--	--	--
Goiter	1	--	--	--	--	--	1	--	--
Heart disease	223	--	--	--	1	6	54	162	--
Coronary	62	--	--	--	--	2	24	36	--
Chronic rheumatic	21	--	--	--	1	3	6	11	--
Homicide	2	--	--	--	--	1	1	--	--
Nephritis	59	--	--	--	1	2	11	45	--
Prostatic disease	10	--	--	--	--	--	--	10	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	4	xxx	xxx	--	--	--	1	3	--
ALL OTHER CAUSES	61	3	3	--	2	6	14	36	--
CAUSE AS YET UNASSIGNED	--	--	--	--	--	--	--	--	--

Peoria Metropolitan Area (Region 3)--1940 population: total 211,736; Urban 139,211; Rural 72,525.  
Counties: Peoria and Tazewell.  
(See maphead for map of State by Regions.)



TABLE VI DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST QUARTER 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	4,037	262	300	35	63	199	897	2,542	1
SELECTED CAUSES OF DEATH	3,730	243	271	25	63	175	834	2,362	--
Diseases of infancy	185	177	180	1	--	2	--	2	--
Maternal causes	7	xxx	xxx	--	2	5	--	xxx	--
Communicable diseases, total	40	4	5	--	2	5	17	11	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	1	1	1	--	--	--	--	--	--
Encephalitis	2	--	--	--	--	--	--	2	--
Measles	1	--	--	--	1	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	31	--	--	--	1	4	17	9	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	4	3	4	--	--	--	--	--	--
Other communicable diseases	1	--	--	--	--	1	--	--	--
Acute respiratory diseases	196	40	52	7	1	10	21	105	--
Influenza	39	4	7	1	--	2	3	26	--
Pneumonia	157	36	45	6	1	8	18	79	--
Tuberculosis - all forms	60	--	--	--	4	18	23	15	--
Pulmonary tuberculosis	56	--	--	--	3	18	22	13	--
Accidents - all forms	250	6	10	13	36	40	37	114	--
Motor vehicle	93	--	2	9	27	25	18	12	--
Home	100	6	8	2	--	7	4	79	--
Occupational	19	xxx	xxx	--	2	7	4	6	--
Public	38	--	--	2	7	1	11	17	--
Cancer	514	--	2	--	2	28	185	297	--
Cerebral hemorrhage	473	--	3	--	1	5	100	364	--
Diabetes	109	--	--	--	2	5	32	70	--
Diseases of digestive system	137	14	16	1	1	12	46	61	--
Cirrhosis of the liver	31	--	--	--	--	2	11	18	--
Diarrhea and enteritis	17	13	15	--	1	--	1	--	--
Goiter	7	--	--	--	1	1	3	2	--
Heart disease	1,408	2	3	--	4	29	298	1,074	--
Coronary	450	--	--	--	--	12	148	290	--
Chronic rheumatic	85	--	--	--	1	5	16	63	--
Homicide	5	--	--	--	2	2	1	--	--
Nephritis	277	--	--	2	--	8	49	218	--
Prostatic disease	23	--	--	--	--	--	2	21	--
Rheumatic fever	1	--	--	1	--	--	--	--	--
Suicide	38	xxx	xxx	--	5	5	20	8	--
ALL OTHER CAUSES	282	17	25	8	--	22	59	167	1
CAUSE AS YET UNASSIGNED	25	2	4	2	--	2	4	13	--

Central Area (Region 4)--1940 population. Total 1,351,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Case, Champaign, Christian, Clark, Coles, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Mason, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,  
FIRST QUARTER 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	1,026	81	87	2	22	64	274	577	--
SELECTED CAUSES OF DEATH	938	76	80	2	16	57	252	531	--
Diseases of infancy	58	55	55	--	--	3	--	--	--
Maternal causes	3	xxx	xxx	--	3	--	--	xxx	--
Communicable diseases, total	13	--	1	1	--	4	5	2	--
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	11	--	--	--	--	4	5	2	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	1	--	--	1	--	--	--	--	--
Other communicable diseases	--	--	--	--	--	--	--	--	--
Acute respiratory diseases	56	14	14	--	--	3	15	24	--
Influenza	13	2	2	--	--	--	3	8	--
Pneumonia	43	12	12	--	--	3	12	16	--
Tuberculosis - all forms	21	--	--	--	4	5	9	3	--
Pulmonary tuberculosis	20	--	--	--	4	5	9	2	--
Accidents - all forms	53	3	4	--	2	8	11	28	--
Motor vehicle	12	--	--	--	1	3	7	1	--
Home	31	3	4	--	1	3	1	22	--
Occupational	4	xxx	xxx	--	--	2	--	2	--
Public	6	--	--	--	--	--	3	3	--
Cancer	97	--	1	1	--	7	40	48	--
Cerebral hemorrhage	105	--	--	--	--	1	26	78	--
Diabetes	32	--	--	--	--	--	12	20	--
Diseases of digestive system	44	4	5	--	1	6	13	19	--
Cirrhosis of the liver	6	--	--	--	--	2	2	2	--
Diarrhea and enteritis	5	4	5	--	--	--	--	--	--
Goiter	2	--	--	--	--	--	1	1	--
Heart disease	363	--	--	--	2	10	101	250	--
Coronary	70	--	--	--	--	4	28	38	--
Chronic rheumatic	12	--	--	--	--	3	4	5	--
Homicide	8	--	--	--	3	3	1	1	--
Nephritis	68	--	--	--	1	3	14	50	--
Prostatic disease	6	--	--	--	--	--	1	5	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	9	xxx	xxx	--	--	4	3	2	--
ALL OTHER CAUSES	76	5	6	--	3	4	21	42	--
CAUSE AS YET UNASSIGNED	12	--	1	--	3	3	1	4	--



TABLE VIII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST QUARTER 1947

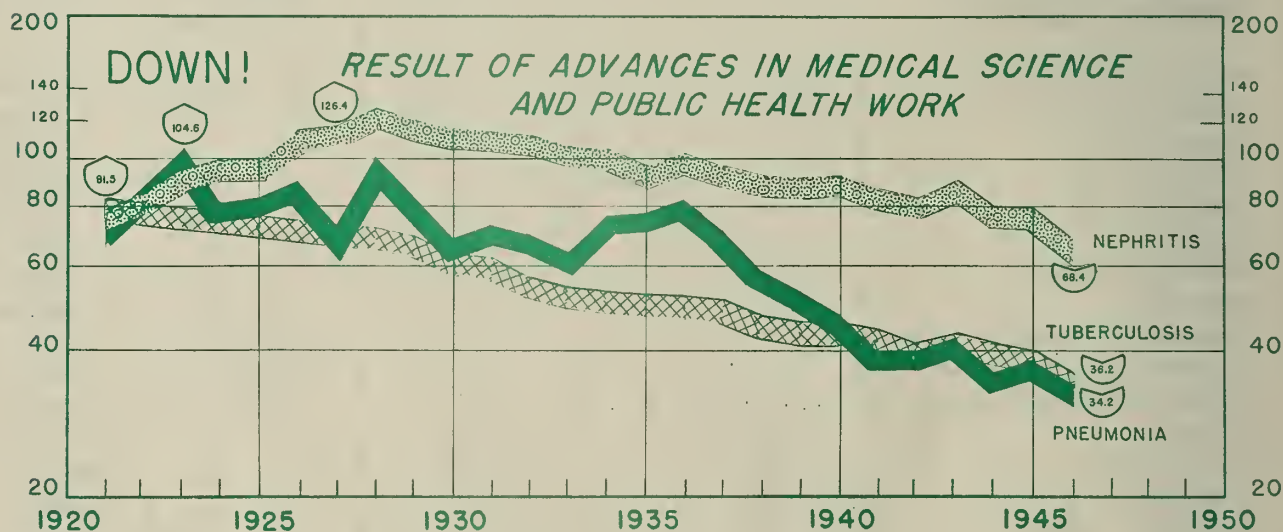
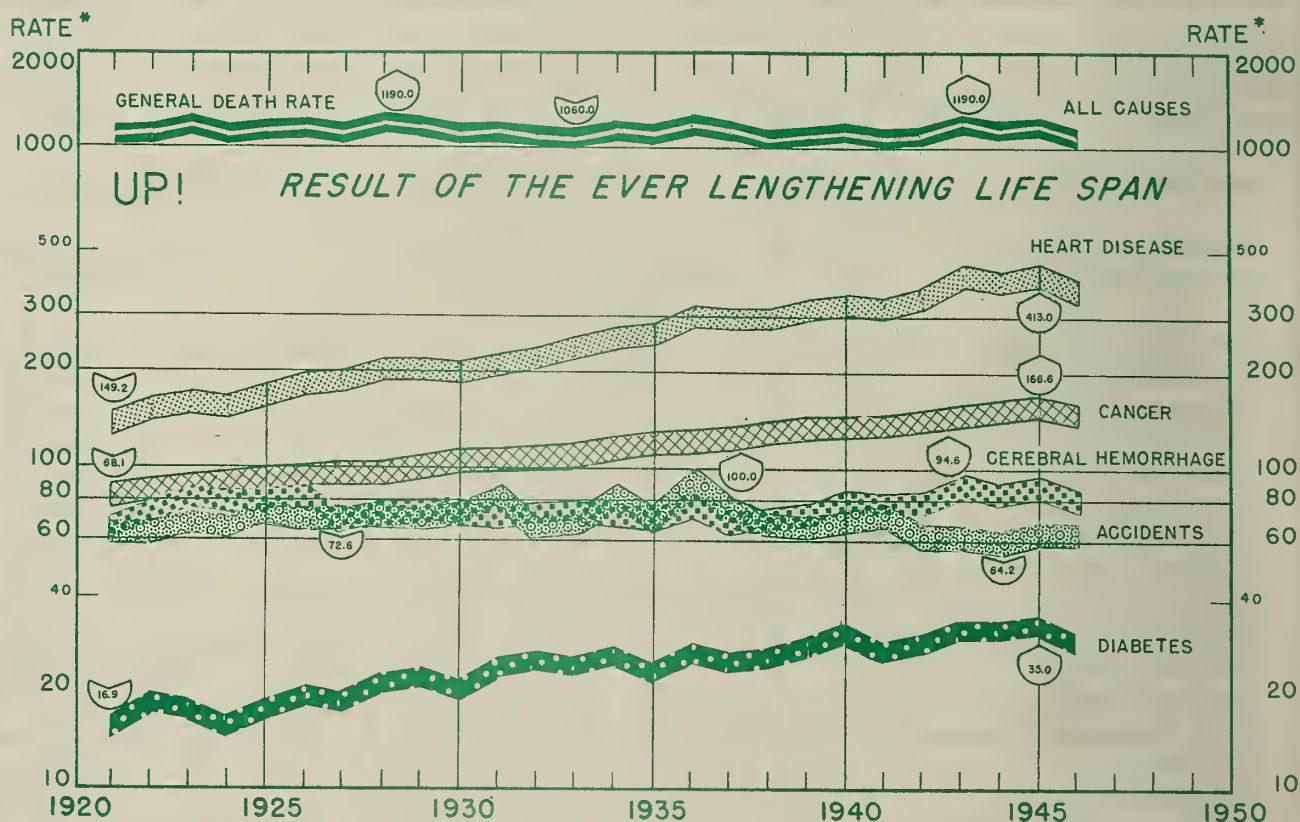
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	2,144	147	169	15	45	160	506	1,247	2
SELECTED CAUSES OF DEATH	1,943	136	157	12	40	151	470	1,111	2
Diseases of infancy	94	93	93	--	--	1	--	--	--
Maternal causes	7	xxx	xxx	--	4	3	--	xxx	--
Communicable diseases, total	26	6	9	1	1	5	8	2	--
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	2	1	2	--	--	--	--	--	--
Encephalitis	1	--	--	--	1	--	--	--	--
Measles	1	--	--	1	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	15	1	1	--	--	5	8	1	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	3	3	3	--	--	--	--	--	--
Other communicable diseases	3	1	2	--	--	--	--	1	--
Acute respiratory diseases	102	17	20	1	3	7	10	61	--
Influenza	32	3	4	--	--	2	2	24	--
Pneumonia	70	14	16	1	3	5	8	37	--
Tuberculosis - all forms	59	1	2	--	7	20	15	15	--
Pulmonary tuberculosis	55	--	--	--	7	19	14	15	--
Accidents - all forms	239	5	13	7	18	45	95	61	--
Motor vehicle	33	2	2	1	10	9	6	5	--
Home	59	3	11	4	--	1	6	37	--
Occupational	131	xxx	xxx	--	7	31	82	11	--
Public	16	--	--	2	1	4	1	8	--
Cancer	217	--	1	--	--	19	68	129	--
Cerebral hemorrhage	212	--	1	--	--	6	41	164	--
Diabetes	57	--	--	--	1	5	18	33	--
Diseases of digestive system	68	12	15	1	--	7	19	26	--
Cirrhosis of the liver	14	--	--	--	--	2	6	6	--
Diarrhea and enteritis	13	10	12	--	--	--	--	1	--
Goiter	1	--	--	--	--	--	--	1	--
Heart disease	692	--	--	1	1	18	155	515	2
Coronary	171	--	--	--	1	7	55	108	--
Chronic rheumatic	34	--	--	--	--	2	11	21	--
Homicide	6	1	1	--	2	2	1	--	--
Nephritis	124	1	2	--	1	6	33	82	--
Prostatic disease	17	--	--	--	--	--	2	15	--
Rheumatic fever	1	--	--	1	--	--	--	--	--
Suicide	21	xxx	xxx	--	2	7	5	7	--
ALL OTHER CAUSES	194	10	11	3	5	9	34	132	--
CAUSE AS YET UNASSIGNED	7	1	1	--	--	--	2	4	--

Southern Area (Region 6)--1940 population: Total 725,047; Urban 228,885; Rural 496,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

# THE TREND OF DEATH RATES FOR LEADING CAUSES ILLINOIS, 1921-1946



\*Deaths per 100,000 inhabitants of the state.

## HEALTH STATISTICS BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

SPRINGFIELD, ILLINOIS

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# HEALTH STATISTICS BULLETIN

State of Illinois  
Dwight H. Green  
Governor



Department of Public Health  
Roland R. Cross, M. D.  
Director

Division of Vital Statistics & Records--- O. K. Sagen, Ph.D., Chief

1947 Series, No. 2

Springfield, Illinois

November 1, 1947

## THE HALFWAY MARK IN 1947 VITAL STATISTICS

### BIRTHS IN 1947 MAY REACH 200,000

Almost 97,000 babies were born in Illinois during the first half of this year. At this rate the total births for 1947 may be nearly 200,000. While the current birth rate of 23.1 per thousand inhabitants seems high as compared to the 16.6 for the first half of 1946, it is small as compared to the abnormal 38 per thousand for the last half of 1946. From this fact and the chart below it is apparent that the great boom in births that began last year in August has fallen off, although birth rates continue to be high.

The recent high birth rates are for the most part due to the unusually high marriage rates since June, 1945. In every month of 1946 the rate was higher than in any corresponding month during the preceding years. So far in 1947, marriages have exceeded all earlier years excepting 1946. Accordingly, we can expect a continuance of birth rates at a high level for still another year.

A statement in an earlier issue of this bulletin that the 1945 Illinois birth rate of 18.4 was the lowest for any state that year provoked statewide newspaper comment and public concern. It is now possible to report that in the preliminary unpublished national statistics for 1946 Illinois ranks 44th instead of 49th among the states and District of Columbia. However, the 1946 Illinois birth rate

of 21.6 per thousand inhabitants is well below the U. S. average of 23.3. Currently, the Illinois birth rate of 23.1 is correspondingly below the national average of 26.2 per thousand inhabitants. It is well to remember that the upsurge in birth rates has been nation wide and even world wide. Accordingly, Illinois will likely continue to rank among the states with the lowest birth rates for the reason that this state has a relatively large proportion of its population in the older age groups that are not forming families. Furthermore, available information on population movements indicate that the state, instead of attracting younger people in the reproductive years of life, is losing some of its own to the western states that have been gaining so rapidly.

\* \* \*

### POPULATION GAINS

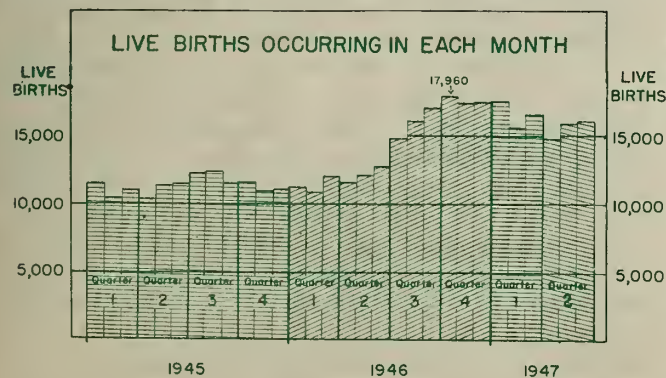
According to recent estimates made by the U.S. Bureau of the Census, Illinois' total population was 8,221,000 on July 1, 1947, representing an increase on 193,000 over their estimate for July 1, 1946. This increase is ascribed to the return of a large number of men from the armed forces coupled with the great excess of births over deaths during the 12 month period. The U. S. as a whole made a population gain of 2.5% while Illinois gained 2.4% in the twelvemonth. California gained 3.4% to lead the nation in growth. There were gains in every state except three where the loss of population from military establishments in the state outweighed their gains in civilian population.

\* \* \*

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST SIX MONTHS

	1947	1946
LIVE BIRTHS per 1,000 population	23.1	16.6
DEATHS per 1,000 population	11.7	11.6

Note: Rates are expressed as their ANNUAL equivalents, based on estimates of Illinois' population in the first six months as follows: April 1, 1947 - 8,172,863; April 1, 1946 - 7,951,570.





## MORTALITY AT MIDYEAR

The crude mortality rate of 11.7 deaths per thousand inhabitants for the first six months of 1947 is slightly but not significantly above the 11.6 for the first half of last year. It is, of course, to be expected that total mortality rates will rise with the ever increasing proportion of older individuals in the general population. Thus, it is typical that more and more deaths are due to the two leading killers, heart disease and cancer. For January and February of this year total mortality was low in comparison with 1946. A belated outbreak of influenza and pneumonia more than cancelled this advantage. Most of the increase in deaths from these causes took place downstate.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES: FIRST SIX MONTHS

	1947	1946
STILLBIRTHS	19.5	23.4
NEONATAL DEATHS (under 1 month)	22.8	25.4
INFANT DEATHS (under 1 year)	31.3	35.4
Premature birth	10.7	12.9
MATERNAL DEATHS	1.1	1.7

Note: Rates - per thousand live births.

At a time of rising birth rates the infant mortality rate always appears favorable and the current rate of 31.3 per thousand livebirths is no exception. A more reliable indicator is offered by the neonatal rate which stands at 22.8 per thousand livebirths, as opposed to 25.4 in the first half of 1946. Despite all this progress, mortality in the first month of life is still a leading contributor to the total death rate as well as being responsible for almost three out of every five deaths among children under five years of age. Maternal mortality for the first six months was phenomenally low, only eleven mothers having died for every ten thousand live babies born.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES FOR THE FIRST SIX MONTHS

Cause	Deaths per 100 thousand inhabitants	
	1947	1946
1. HEART DISEASE	440.7	420.7
2. CANCER	162.2	160.7
3. CEREBRAL HEMORRHAGE	93.2	92.7
4. NEPHRITIS	67.5	74.6
5. ALL ACCIDENTS	63.5	63.5
6. INFLUENZA AND PNEUMONIA	49.6	46.6
7. TUBERCULOSIS	35.4	39.7
8. DIABETES	34.6	34.9
9. PREMATURE BIRTH	24.6	21.4
10. ARTERIOSCLEROSIS	18.5	22.2

Note: Rates are expressed as their annual equivalents.

The record for the first half year with respect to the communicable diseases is encouraging. Decreases have taken place in the mortality from all of the infectious diseases that are preventable. The continued decrease in tuberculosis mortality emphasizes the progress being made in tubercu-

losis control. Nevertheless, tuberculosis still ranks high among the leading causes of death in Illinois. The progress noted now is not only justification for the recent intensification of tuberculosis control measures, but is strong evidence that still greater efforts can bring about the eventual elimination of the "white scourge".

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST SIX MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1947	1946	1947	1946
ALL ACCIDENTS	2,594	2,526	63.5	63.5
Motor vehicle	732	808	17.9	20.3
Home accidents	943	852	23.1	21.4
Occupational	347	226	8.5	5.7
Public accidents	572	640	14.0	16.1

Note: Rates are expressed as their annual equivalents.

\* \* \*

## PREVENTABLE DEATHS

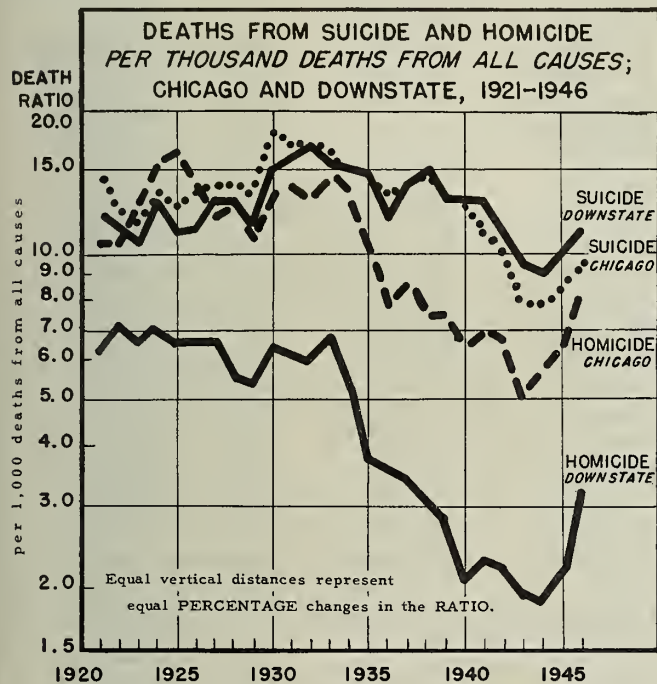
The major emphasis in medicine and public health has always been directed at preventing early death from disease. The increased average life span is eloquent testimony of success in postponing death from disease. Years ago, smallpox was one of our worst killers but now the disease has been almost completely eliminated as a cause of death.

But what is the record with the causes of death associated with external injuries to the human body? Despite the medical advances in saving the lives of the injured, we still find that over 8% of all deaths are accounted for by the external causes--accidents, suicide, and homicide. Theoretically, all that external violence is preventable. However, the record shows that all our efforts at prevention do little more than hold the live on mortality from external causes. This is borne out by the table and chart on the back page of this bulletin. They show the last 26 years' mortality experience for the five major external causes: motor vehicle, accidents, other transport accidents, falls, suicide, and homicide. The width of each band on the chart indicates the proportion of mortality associated with each cause. Together, these causes account for about 75% of all deaths from violence.

It is apparent that mortality from suicide and homicide are reflections of social conditions. The fact that suicides were fewest during the recent war re-emphasizes an observation by J. R. Miner 25 years ago that "there can be little doubt that war reduces the suicide rate by giving people something to think about outside themselves, by stimulating the patriotic emotions, in a word by increasing the 'group spirit' ". The fact that suicides were highest during the depression period of the 1930's also points up the importance of economic difficulties as a stimulus to self murder.



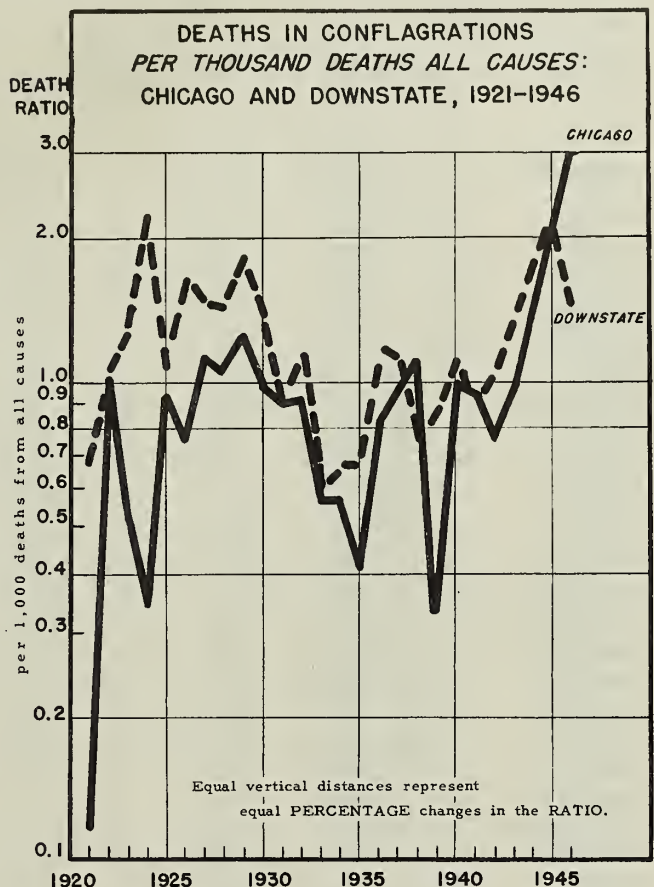
Homicides were also at their lowest during the war period, but were highest in the period of organized lawlessness following World War I. While a general public respect for law and order can obviously bring homicide to a minimum, effective means for accomplishing such control of the social environment are less obvious.



In the last 26 years from 10 to 17 out of every 500 deaths in Illinois have resulted from transportation accidents. A steady increase in transport fatalities went on from 1921 to 1937, when a peak of 35 such deaths out of every thousand deaths was reached. The apparent sharp increase in motor vehicle deaths for 1930 over 1929 is due to the change in the statistical classification of accident deaths made effective in 1930. Before 1930, collisions between automobiles and trains or streetcars were allocated to train and streetcar accidents. Actually, auto accident deaths in Illinois increased almost every year up to 1938. The only real decline came during the war as a result of mileage restrictions, when restrictions were lifted, the auto accident death rate again rose, albeit at lower levels than prewar. A recent encouraging note is found in the fact that 1947 auto accident fatalities in the first six months are somewhat below 1946 levels.

Some progress has been made in the prevention of accidental death from conflagration, burns, drownings, and hazardous occupations. The decline since 1921 in mortality due to accidents in mines and quarries is attributable to fewer miners and greater mine safety. The recent Illinois coal mine disasters that claimed 142 lives in seven months show the need for unrelenting effort on mine safety work. The National Safety Council reports that in mining and quarrying there was one accidental death among every 620 workers, the highest rate

in any industry. Deaths due to serious fires (conflagrations) are increasing and also account for a greater share of accident deaths. Undoubtedly, the acute housing shortage has brought on overcrowding of unsafe buildings and thereby increased fire hazards.



Deaths from burns are now well below the levels of the 1920's, even though there are so many more people. Safer appliances, diminishing use of Kerosene and gasoline stoves in the home, better industrial safety practices, and safety education have all contributed to the progress. There has been a small but steady decrease in the proportion of deaths by drowning over the last fifteen years. The growth of supervised swimming, the teaching of lifesaving, etc. have undoubtedly been responsible for this important progress.

A large part of our deaths from accidental causes are due to falls. To make matters worse, these deaths are steadily increasing. The death statistics for the 1920's understate mortality from falls by about 15% because of the death classification scheme used then. Of course, the majority of deaths from falls occur at the older ages, particularly 65 years and older. Accordingly, we can expect falls to bring on more deaths as we accumulate more old people. At the same time, this situation lays down a tremendous challenge to education in personal safety precautions and to the design of living places, work places and public places offering fewer opportunities for dangerous falls.

TABLE I LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, FIRST SIX MONTHS, 1947

County	*Estimated Population	Live Births	Still-births	Deaths	County	*Estimated Population	Live Births	Still-births	Deaths
Entire State	8,172,863	94,267	1,842	47,667	LaSalle	100,421	1,216	24	568
Chicago	3,561,994	40,515	824	20,219	Lawrence	21,139	69	--	97
Downstate	4,610,869	53,752	1,018	27,448	Lee	35,048	364	8	241
Adams	66,769	811	16	481	Livingston	38,986	338	10	216
Alexander	26,174	431	16	191	Logan	29,847	312	7	231
Bond	14,489	22	--	51	McDonough	27,157	348	7	192
Boone	15,346	219	6	118	McHenry	37,771	403	1	224
Brown	7,927	18	--	41	McLean	75,393	1,039	15	439
Bureau	37,939	478	10	227	Macon	87,552	1,400	25	502
Calhoun	7,976	46	2	26	Macoupin	47,105	145	3	169
Carroll	18,071	153	3	88	Madison	154,970	2,000	44	928
Cass	16,613	181	2	87	Marion	48,844	592	16	238
Champaign	72,185	1,275	22	411	Marshall	13,186	10	--	58
Christian	39,125	459	8	182	Mason	15,435	29	1	56
Clark	18,681	55	1	78	Massac	15,076	150	5	109
Clay	18,875	62	2	59	Menard	10,641	19	--	35
Clinton	23,079	178	5	98	Mercer	17,638	11	1	46
Coles	39,292	552	21	221	Monroe	12,671	11	--	45
Cook	4,258,781	49,476	970	24,685	Montgomery	34,872	480	8	237
Crawford	21,389	241	6	117	Morgan	37,058	410	8	441
Cumberland	11,456	36	--	43	Moultrie	13,412	23	--	40
DeKalb	34,875	525	9	225	Ogle	29,959	171	3	152
DeWitt	18,391	145	2	90	Peoria	159,502	2,532	47	1,112
Douglas	17,667	205	3	95	Perry	23,786	300	8	145
DuPage	107,689	806	15	524	Piatt	14,652	79	1	58
Edgar	24,549	257	4	144	Pike	25,165	167	2	127
Edwards	8,951	40	2	40	Pope	7,768	32	--	41
Effingham	22,052	455	6	149	Pulaski	15,966	80	4	70
Fayette	28,902	272	8	157	Putnam	5,290	1	--	17
Ford	15,002	152	1	77	Randolph	34,158	319	5	187
Franklin	54,583	222	7	225	Richland	17,173	334	8	147
Fulton	45,139	446	11	221	Rock Island	117,971	1,633	16	805
Gallatin	11,329	78	2	42	St. Clair	174,010	2,184	53	1,071
Greene	20,313	181	7	87	Saline	38,850	544	8	237
Grundy	18,612	205	--	89	Sangamon	121,813	1,660	37	849
Hamilton	13,073	112	1	66	Schuyler	11,264	67	1	58
Hancock	26,335	125	3	135	Scott	8,118	12	--	27
Hardin	7,653	84	4	42	Shelby	25,990	228	3	112
Henderson	8,887	12	--	23	Stark	8,812	4	1	25
Henry	44,489	529	10	245	Stephenson	41,403	589	8	238
Iroquois	32,263	293	5	128	Tazewell	59,975	462	14	243
Jackson	38,529	542	14	211	Union	21,457	244	6	264
Jasper	13,062	34	1	48	Vermilion	89,302	1,081	12	608
Jefferson	34,582	559	10	172	Wabash	13,880	85	1	52
Jersey	13,646	68	1	51	Warren	21,408	312	2	124
Jo Daviess	20,000	59	--	86	Washington	15,620	27	1	161
Johnson	10,452	60	2	61	Wayne	21,599	128	3	82
Kane	135,290	2,453	37	1,066	White	19,965	114	1	81
Kankakee	62,555	788	19	741	Whiteside	44,129	538	15	226
Kendall	11,033	--	--	29	Will	118,189	1,466	20	652
Knox	53,531	685	10	306	Williamson	52,738	628	20	291
Lake	126,029	1,841	35	678	Winnebago	126,023	1,932	39	756
					Woodford	19,067	19	1	80

\*As of April 1, 1947. Projected from U.S. Census estimate for July 1, 1946.



TABLE II DEATHS IN ILLINOIS, FIRST SIX MONTHS, 1947

(All occurrences within the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	47,667	2,953	3,362	365	805	3,775	14,708	24,642	10
SELECTED CAUSES OF DEATH	44,435	2,760	3,074	294	682	3,365	13,920	23,094	6
Diseases of infancy	2,254	2,163	2,202	11	8	19	11	3	--
Maternal causes	108	xxx	xxx	--	26	81	1	xxx	--
Communicable diseases, total	474	44	62	14	14	64	212	108	--
Diphtheria	8	--	3	1	2	1	1	--	--
Dysentery - all forms	7	4	5	--	--	1	1	--	--
Encephalitis	9	--	--	1	3	1	2	2	--
Measles	4	2	2	1	1	--	--	--	--
Meningitis	30	8	12	5	--	2	9	2	--
Poliomyelitis	3	1	1	1	1	--	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	343	5	5	1	4	47	196	90	--
Typhoid & paratyphoid fever	6	--	--	--	2	1	1	2	--
Whooping cough	26	21	25	1	--	--	--	--	--
Other communicable diseases	37	3	9	3	1	10	2	12	--
Acute respiratory diseases	2,027	333	402	20	25	169	547	864	--
Influenza	204	17	27	4	3	11	32	127	--
Pneumonia	1,823	316	375	16	22	158	515	737	--
Tuberculosis - all forms	1,448	6	21	16	137	461	573	240	--
Pulmonary tuberculosis	1,337	2	10	9	118	431	547	222	--
Accidents - all forms	2,594	70	164	134	239	441	659	956	1
Motor vehicle	732	4	27	55	135	170	207	137	1
Home	943	62	114	30	16	69	127	587	--
Occupational	347	xxx	xxx	1	23	115	163	45	--
Public	572	4	23	48	65	87	162	187	--
Cancer	6,630	2	22	26	38	528	2,840	3,175	1
Cerebral hemorrhage	3,809	3	9	5	9	116	1,058	2,611	1
Diabetes	1,413	--	3	3	16	54	512	825	--
Diseases of digestive system	1,881	125	159	22	34	252	780	634	--
Cirrhosis of the liver	556	5	6	2	--	86	302	160	--
Diarrhea and enteritis	131	86	103	1	4	5	7	11	--
Goiter	99	--	--	--	1	13	44	41	--
Heart disease	18,009	7	15	21	51	753	5,688	11,478	3
Coronary	4,249	--	--	--	4	221	1,800	2,224	--
Chronic rheumatic	886	--	1	12	25	145	320	383	--
Homicide	179	6	6	1	35	91	38	8	--
Nephritis	2,759	1	9	10	22	201	727	1,790	--
Prostatic disease	296	--	--	--	--	1	34	261	--
Rheumatic fever	17	--	--	9	2	5	1	--	--
Suicide	438	xxx	xxx	2	25	116	195	100	--
ALL OTHER CAUSES	2,942	179	263	65	84	342	708	1,477	3
CAUSE AS YET UNASSIGNED	290	14	25	6	39	68	80	71	1

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA,  
FIRST SIX MONTHS, 1947  
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	26,966	1,606	1,814	195	423	2,424	9,722	12,386	2
SELECTED CAUSES OF DEATH	25,454	1,497	1,653	160	355	2,184	9,277	11,823	2
Diseases of infancy	1,241	1,195	1,212	7	6	6	9	1	--
Maternal causes	52	xxx	xxx	--	9	43	--	xxx	--
Communicable diseases, total	203	20	25	8	6	26	101	37	--
Diphtheria	4	--	--	--	2	1	1	--	--
Dysentery - all forms	2	1	1	--	--	1	--	--	--
Encephalitis	2	--	--	--	1	--	1	--	--
Measles	2	2	2	--	--	--	--	--	--
Meningitis	26	5	9	4	--	2	9	2	--
Poliomyelitis	1	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	142	3	3	--	3	16	89	31	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	7	7	7	--	--	--	--	--	--
Other communicable diseases	17	2	3	3	--	6	1	4	--
Acute respiratory diseases	1,176	187	220	9	12	118	402	415	--
Influenza	40	4	6	3	1	1	12	17	--
Pneumonia	1,136	183	214	6	11	117	390	398	--
Tuberculosis - all forms	1,002	3	15	13	109	342	400	123	--
Pulmonary tuberculosis	922	1	7	6	92	318	384	115	--
Accidents - all forms	1,161	24	70	65	67	193	352	414	--
Motor vehicle	313	--	12	28	28	67	106	72	--
Home	434	24	49	15	10	40	84	236	--
Occupational	99	xxx	xxx	--	7	40	46	6	--
Public	315	--	9	22	22	46	116	100	--
Cancer	4,003	1	12	13	26	336	1,869	1,746	1
Cerebral hemorrhage	1,758	2	4	2	5	78	607	1,062	--
Diabetes	850	--	3	2	7	27	343	468	--
Diseases of digestive system	1,085	57	74	15	20	157	516	303	--
Cirrhosis of the liver	391	5	6	1	--	62	235	87	--
Diarrhea and enteritis	52	34	40	--	1	3	4	4	--
Goiter	60	--	--	--	--	10	28	22	--
Heart disease	10,829	3	7	15	35	567	4,019	6,185	1
Coronary	2,105	--	--	--	2	155	1,048	900	--
Chronic rheumatic	489	--	--	8	17	111	219	134	--
Homicide	134	5	5	1	25	69	27	7	--
Nephritis	1,521	--	6	2	16	151	471	875	--
Prostatic disease	139	--	--	--	--	--	23	116	--
Rheumatic fever	12	--	--	7	1	3	1	--	--
Suicide	228	xxx	xxx	1	11	58	109	49	--
ALL OTHER CAUSES	1,350	102	149	32	46	193	394	536	--
CAUSE AS YET UNASSIGNED	162	7	12	3	22	47	51	27	--

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,532; Urban 4,256,601; Rural 275,931.  
Counties: Cook, DuPage, Kane, Lake, and Will.  
(See maphead for map of State by Regions.)



TABLE IV DEATHS AMONG RESIDENTS OF THE NORTHERN AREA,  
FIRST SIX MONTHS, 1947  
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	5,037	322	388	43	78	329	1,206	2,993	--
SELECTED CAUSES OF DEATH	4,663	312	362	32	66	269	1,128	2,806	--
Diseases of infancy	265	248	258	1	2	3	1	--	--
Maternal causes	13	xxx	xxx	--	2	11	--	xxx	--
Communicable diseases, total	78	6	9	3	2	11	30	23	--
Diphtheria	1	--	--	1	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	2	--	--	1	1	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	3	3	3	--	--	--	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	58	--	--	1	--	9	29	19	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	3	3	3	--	--	--	--	--	--
Other communicable diseases	10	--	3	--	--	2	1	4	--
Acute respiratory diseases	216	32	47	1	7	11	35	115	--
Influenza	32	1	4	--	1	2	6	19	--
Pneumonia	184	31	43	1	6	9	29	96	--
Tuberculosis - all forms	141	--	1	1	4	35	64	36	--
Pulmonary tuberculosis	127	--	1	1	4	33	57	31	--
Accidents - all forms	295	14	27	16	35	38	54	125	--
Motor vehicle	88	1	3	5	20	18	22	20	--
Home	115	12	14	4	1	8	13	75	--
Occupational	19	xxx	xxx	1	2	4	8	4	--
Public	73	1	10	6	12	8	11	26	--
Cancer	627	1	2	6	2	42	222	353	--
Cerebral hemorrhage	456	--	--	--	2	9	105	340	--
Diabetes	146	--	--	1	--	7	39	99	--
Diseases of digestive system	203	10	16	1	4	32	70	80	--
Cirrhosis of the liver	35	--	--	--	--	9	14	12	--
Diarrhea and enteritis	15	7	10	--	1	1	1	2	--
Goiter	10	--	--	--	--	1	3	6	--
Heart disease	1,874	1	2	--	2	40	421	1,409	--
Coronary	588	--	--	--	1	14	211	362	--
Chronic rheumatic	93	--	--	--	1	7	24	61	--
Homicide	4	--	--	--	--	2	2	--	--
Nephritis	254	--	--	2	3	13	60	176	--
Prostatic disease	38	--	--	--	--	--	4	34	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	43	xxx	xxx	--	1	14	18	10	--
ALL OTHER CAUSES	348	9	23	10	8	57	72	178	--
CAUSE AS YET UNASSIGNED	26	1	3	1	4	3	6	9	--

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.  
Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA,  
FIRST SIX MONTHS, 1947  
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	1,278	87	95	6	18	85	329	745	--
SELECTED CAUSES OF DEATH	1,140	79	85	6	14	77	302	656	--
Diseases of infancy	70	68	69	1	--	--	--	--	--
Maternal causes	7	xxx	xxx	--	2	5	--	xxx	--
Communicable diseases, total	19	1	3	--	--	1	8	7	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	16	--	--	--	--	1	8	7	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	2	--	--	--	--	--	--
Other communicable diseases	1	--	1	--	--	--	--	--	--
Acute respiratory diseases	52	6	6	--	2	2	13	29	--
Influenza	6	1	1	--	1	1	--	3	--
Pneumonia	46	5	5	--	1	1	13	26	--
Tuberculosis - all forms	25	--	--	--	1	7	7	10	--
Pulmonary tuberculosis	24	--	--	--	1	7	7	9	--
Accidents - all forms	85	3	5	3	5	16	14	42	--
Motor vehicle	23	--	2	1	3	8	7	2	--
Home	39	2	2	--	2	2	2	31	--
Occupational	9	xxx	xxx	--	--	4	1	4	--
Public	14	1	1	2	--	2	4	5	--
Cancer	151	--	--	--	--	12	62	77	--
Cerebral hemorrhage	109	--	--	--	--	2	24	83	--
Diabetes	32	--	--	--	1	3	11	17	--
Diseases of digestive system	45	1	2	1	--	6	13	23	--
Cirrhosis of the liver	13	--	--	--	--	2	5	6	--
Diarrhea and enteritis	--	--	--	--	--	--	--	--	--
Goiter	2	--	--	--	--	--	2	--	--
Heart disease	412	--	--	1	2	14	126	269	--
Coronary	129	--	--	--	--	4	50	75	--
Chronic rheumatic	43	--	--	1	2	5	18	17	--
Homicide	4	--	--	--	--	3	1	--	--
Nephritis	104	--	--	--	1	4	19	80	--
Prostatic disease	15	--	--	--	--	--	--	15	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	8	xxx	xxx	--	--	2	2	4	--
ALL OTHER CAUSES	138	8	10	--	4	8	27	89	--
CAUSE AS YET UNASSIGNED	--	--	--	--	--	--	--	--	--

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.  
Counties: Peoria and Tazewell.  
(See maphead for map of State by Regions.)



TABLE VI DEATHS AMONG RESIDENTS OF THE CENTRAL AREA,  
FIRST SIX MONTHS, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	7,654	489	559	67	116	402	1,690	4,818	2
SELECTED CAUSES OF DEATH	7,058	451	507	53	106	354	1,572	4,466	--
Diseases of infancy	361	345	351	2	--	5	1	2	--
Maternal causes	13	xxx	xxx	--	3	10	--	xxx	--
Communicable diseases, total	92	5	8	--	4	11	40	29	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	2	1	1	--	--	--	1	--	--
Encephalitis	2	--	--	--	--	--	--	2	--
Measles	1	--	--	--	1	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	69	--	--	--	1	7	38	23	--
Typhoid & paratyphoid fever	5	--	--	--	1	1	1	2	--
Whooping cough	7	4	7	--	--	--	--	--	--
Other communicable diseases	5	--	--	--	1	2	--	2	--
Acute respiratory diseases	303	58	75	7	1	16	44	160	--
Influenza	54	4	8	1	--	2	5	38	--
Pneumonia	249	54	67	6	1	14	39	122	--
Tuberculosis - all forms	101	--	--	2	5	25	41	28	--
Pulmonary tuberculosis	95	--	--	2	4	24	40	25	--
Accidents - all forms	479	15	31	28	60	73	78	209	--
Motor vehicle	163	1	7	13	45	38	34	26	--
Home	185	12	22	5	--	8	14	136	--
Occupational	48	xxx	xxx	--	3	17	13	15	--
Public	83	2	2	10	12	10	17	32	--
Cancer	1,007	--	3	2	4	64	353	581	--
Cerebral hemorrhage	846	--	3	2	1	11	170	659	--
Diabetes	206	--	--	--	3	11	58	134	--
Diseases of digestive system	288	25	31	4	6	24	98	125	--
Cirrhosis of the liver	63	--	--	1	--	5	24	33	--
Diarrhea and enteritis	31	21	26	1	2	--	1	1	--
Goiter	17	--	--	--	1	1	6	9	--
Heart disease	2,677	3	5	2	6	63	553	2,048	--
Coronary	843	--	--	--	--	22	275	546	--
Chronic rheumatic	146	--	--	1	3	11	29	102	--
Homicide	11	--	--	--	3	6	2	--	--
Nephritis	514	--	--	3	--	15	88	408	--
Prostatic disease	56	--	--	--	--	--	2	54	--
Rheumatic fever	4	--	--	1	1	2	--	--	--
Suicide	83	xxx	xxx	--	8	17	38	20	--
ALL OTHER CAUSES	554	36	48	12	9	39	111	334	1
CAUSE AS YET UNASSIGNED	42	2	4	2	1	9	7	18	1

Central Area (Region 4)--1940 population. Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Marion, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,  
FIRST SIX MONTHS, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	1,891	143	157	7	39	137	526	1,024	1
SELECTED CAUSES OF DEATH	1,722	134	144	7	30	121	484	935	1
Diseases of infancy	105	100	102	--	--	3	--	--	--
Maternal causes	5	xxx	xxx	--	4	1	--	xxx	--
Communicable diseases, total	30	2	3	1	--	7	15	4	--
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	26	1	1	--	--	7	14	4	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	1	1	--	--	--	--	--
Other communicable diseases	--	--	--	--	--	--	--	--	--
Acute respiratory diseases	79	15	16	--	--	6	22	35	--
Influenza	19	2	2	--	--	1	5	11	--
Pneumonia	60	13	14	--	--	5	17	24	--
Tuberculosis - all forms	42	--	1	--	4	16	15	6	--
Pulmonary tuberculosis	41	--	1	--	4	16	15	5	--
Accidents - all forms	103	7	9	2	13	14	19	46	--
Motor vehicle	22	--	--	--	6	7	8	1	--
Home	53	7	9	--	1	3	3	37	--
Occupational	8	xxx	xxx	--	1	2	3	2	--
Public	20	--	--	2	5	2	5	6	--
Cancer	206	--	2	2	--	18	79	105	--
Cerebral hemorrhage	203	--	--	--	1	5	52	144	1
Diabetes	53	--	--	--	1	--	23	29	--
Diseases of digestive system	81	10	11	--	1	7	28	34	--
Cirrhosis of the liver	16	--	--	--	--	2	8	6	--
Diarrhea and enteritis	13	10	11	--	--	--	1	1	--
Goiter	4	--	--	--	--	--	3	1	--
Heart disease	653	--	--	1	2	23	185	442	--
Coronary	157	--	--	--	--	8	66	83	--
Chronic rheumatic	27	--	--	1	--	5	8	13	--
Homicide	11	--	--	--	3	5	2	1	--
Nephritis	113	--	--	1	1	7	29	75	--
Prostatic disease	10	--	--	--	--	--	2	8	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	24	xxx	xxx	--	--	9	10	5	--
ALL OTHER CAUSES	142	8	10	--	3	10	35	84	--
CAUSE AS YET UNASSIGNED	27	1	3	--	6	6	7	5	--



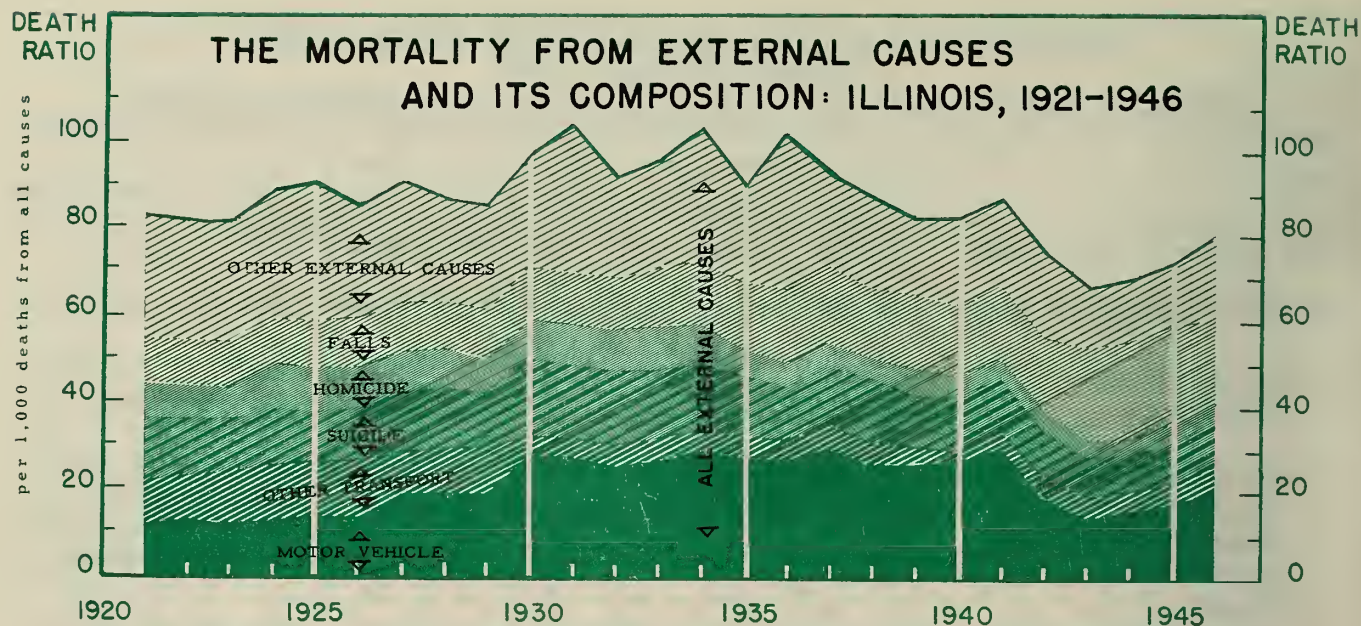
TABLE VIII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA,  
FIRST SIX MONTHS, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	3,960	268	301	35	82	277	925	2,336	4
SELECTED CAUSES OF DEATH	3,596	250	278	27	71	257	866	2,095	2
Diseases of infancy	175	173	174	--	--	1	--	--	--
Maternal causes	17	xxx	xxx	--	5	11	1	xxx	--
Communicable diseases, total	45	10	14	2	2	8	13	6	--
Diphtheria	2	--	2	--	--	--	--	--	--
Dysentery - all forms	3	2	3	--	--	--	--	--	--
Encephalitis	2	--	--	--	1	1	--	--	--
Measles	1	--	--	1	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--	--
Polomyelitis	1	1	1	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	26	1	1	--	--	7	13	5	--
Typhoid & paratyphoid fever	1	--	--	--	1	--	--	--	--
Whooping cough	5	5	5	--	--	--	--	--	--
Other communicable diseases	3	1	2	--	--	--	--	1	--
Acute respiratory diseases	176	33	36	3	3	11	23	100	--
Influenza	50	4	5	--	--	3	4	38	--
Pneumonia	126	29	31	3	3	8	19	62	--
Tuberculosis - all forms	115	3	4	--	8	33	34	36	--
Pulmonary tuberculosis	109	1	1	--	8	32	32	36	--
Accidents - all forms	362	7	20	16	37	68	114	107	--
Motor vehicle	65	2	3	4	17	17	12	12	--
Home	101	5	16	6	1	4	9	65	--
Occupational	148	xxx	xxx	--	9	37	89	13	--
Public	48	--	1	6	10	10	4	17	--
Cancer	465	--	1	--	3	37	160	264	--
Cerebral hemorrhage	377	1	2	--	--	9	80	286	--
Diabetes	108	--	--	--	2	6	32	68	--
Diseases of digestive system	145	21	24	1	2	15	46	57	--
Cirrhosis of the liver	32	--	--	--	--	4	14	14	--
Diarrhea and enteritis	18	13	15	--	--	1	--	2	--
Goiter	5	--	--	--	--	--	2	3	--
Heart disease	1,294	--	--	2	3	34	286	967	2
Coronary	330	--	--	--	1	12	110	207	--
Chronic rheumatic	72	--	--	1	2	5	15	49	--
Homicide	8	1	1	--	2	3	2	--	--
Nephritis	226	1	2	1	1	9	54	159	--
Prostatic disease	33	--	--	--	--	1	2	30	--
Rheumatic fever	1	--	--	1	--	--	--	--	--
Suicide	44	xxx	xxx	1	3	11	17	12	--
ALL OTHER CAUSES	351	16	21	8	11	19	57	233	2
CAUSE AS YET UNASSIGNED	13	2	2	--	--	1	2	8	--

Southern Area (Region 6)--1940 population: Total 725,047; Urban 228,885; Rural 496,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.



DEATHS FROM EXTERNAL CAUSES PER THOUSAND DEATHS ALL CAUSES:  
ILLINOIS, 1921 - 1946

Year	All External Causes	Suicide	Homicide	Legal Executions	Motor Vehicle	Other Transport	Mining and Quarrying	Confla-gration	Burns	Drowning	Falls	Other External Causes
1921	84.6	13.3	8.1	*	12.0	11.3	2.9	0.4	4.5	5.3	9.9	16.9
1922	82.4	11.8	8.5	*	13.3	10.6	1.8	1.0	4.0	4.7	10.3	16.4
1923	82.0	10.8	8.7	*	12.0	12.5	2.2	1.0	4.1	4.0	10.1	16.6
1924	89.0	13.1	10.6	*	13.1	12.1	2.4	1.4	4.5	4.6	10.9	16.3
1925	91.2	11.7	10.7	*	14.2	11.4	1.6	1.0	4.0	4.6	10.7	21.3
1926	85.4	12.4	9.9	*	14.6	11.7	1.9	1.3	3.8	4.0	11.1	14.7
1927	90.6	13.5	9.1	*	18.5	10.2	1.4	1.3	4.2	5.2	11.1	16.1
1928	87.1	13.6	8.8	*	19.5	10.2	1.5	1.3	3.3	4.2	10.7	14.0
1929	85.1	12.4	7.7	*	19.3	10.6	1.3	1.6	3.1	4.2	11.9	13.0
1930	97.6	16.6	9.6	0.1	27.3	6.1	1.4	1.2	3.3	4.7	12.6	14.7
1931	103.8	16.4	9.3	0.1	27.6	5.4	1.2	0.9	2.8	5.3	11.8	23.0
1932	92.3	17.1	9.0	0.1	25.3	5.0	1.5	1.1	3.0	3.9	12.6	13.7
1933	95.7	16.0	10.1	0.1	26.4	5.7	1.0	0.6	3.1	3.3	13.2	16.2
1934	103.3	15.2	8.7	0.1	29.5	5.0	1.0	0.6	3.0	3.1	15.2	21.9
1935	89.9	14.5	6.4	0.1	27.3	4.7	0.9	0.6	2.7	2.7	15.2	14.8
1936	102.5	12.6	5.4	0.0	27.2	4.8	1.1	1.0	2.9	2.5	16.6	28.4
1937	92.4	14.2	5.6	0.1	30.0	5.0	1.0	1.1	2.6	2.6	17.7	12.5
1938	87.8	14.9	4.9	0.1	25.9	5.0	1.0	0.9	2.5	2.6	16.8	13.2
1939	82.7	13.4	4.8	0.0	25.9	4.4	1.0	0.7	2.3	2.2	16.7	11.3
1940	83.3	13.1	3.9	0.0	26.2	3.6	1.0	1.1	2.5	2.8	16.9	12.2
1941	87.7	12.2	4.2	0.0	30.0	4.4	1.1	0.9	2.5	3.2	17.3	11.9
1942	74.9	10.8	4.1	0.0	19.0	4.7	1.1	0.9	2.6	3.1	17.3	11.3
1943	67.1	9.0	3.2	0.0	14.1	4.9	1.1	1.2	3.3	3.1	17.7	10.1
1944	68.5	8.7	3.6	0.0	15.1	5.1	1.2	1.6	2.7	2.6	17.6	10.3
1945	72.3	9.5	4.0	0.0	17.3	4.6	0.9	2.1	2.5	2.4	18.9	9.8
1946	78.7	10.6	5.4	-0-	20.6	5.0	0.8	2.1	2.7	2.6	18.9	10.0

\*Included in Other External Causes. Rate 0.0 indicates less than 5 deaths. Rate -0- indicates zero deaths.

## HEALTH STATISTICS BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
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# HEALTH STATISTICS BULLETIN

State of Illinois  
Dwight H. Green  
Governor



Department of Public Health  
Roland R. Cross, M. D.  
Director

Division of Vital Statistics & Records--- O. K. Sagen, Ph.D., Chief

Springfield, Illinois

1947 Series, No. 5

February 27, 1948

## PROVISIONAL ANNUAL STATISTICS FOR 1947

For the second consecutive year the Illinois birth rate has reached a new high. There were 191,866 live births registered in Illinois during 1947, making a rate of 23.3 live births for each thousand inhabitants. A great boom in births has continued throughout the entire United States ever since the fall of 1946. Therefore, there is little likelihood that Illinois will rank higher among the states than it did in 1946 when Illinois' birth rate was 45th with 20.9. The boom has been gradually receding from the all-time high in October of 1946 and the outlook for 1948 is a continued recession from these high birth rates.

The most significant health note in the 1947 record is that our gains in saving the lives of young babies have been preserved in spite of the heavy load on hospitals and physicians. The 1947 infant death rate represents a new milestone in the battle to save life in that dangerous first year. There were only 28.4 deaths among less than one year old babies for every 1,000 born during the year. Premature birth is still the most frequent cause of death among babies.

This largely accounts for the fact that four out of every five babies who die in the first year of life die in the first month.

Although the figures on maternal deaths are not yet complete, it is quite certain that the record will show our high birth rate is accompanied

by an unusually low maternal mortality. Indications are that only about twelve will have died from maternal causes for every 10,000 babies born alive.

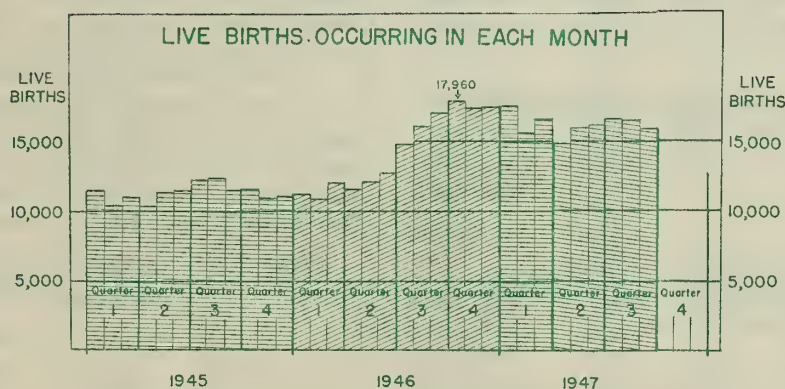
The 92,230 deaths in the state during 1947 account for a general death rate of 11.2 deaths per 1,000 population. While this is higher than the 1946

rate of 10.8 the increase is not alarming. Heart disease and cancer account for over one half of all deaths that now occur. Since the increase in deaths is found among the oldest age groups, what we are seeing is the effect of deferred mortality beginning to catch up with us as heart disease and cancer contribute an ever increasing share to fatal illness.

Intensified effort in the early detection and treatment of cancer have not as yet been reflected in the crude mortality rates. But even if we should soon meet with lowering mortality from cancer, it is only through better prevention and management of heart disease that there is any hope of averting a steady rise in the general death rate.

The provisional annual rates for 1947 are:

	State	Chicago	Downtown
Live births per 1000 population....	23.3	23.1	23.5
Deaths per 1000 population.....	11.2	10.9	11.4
Infant deaths per 1000 live births...	28.4	27.2	29.4
Stillbirths per 1000 live births.....	18.9	19.9	18.1



Page 3 gives the distribution of all births and deaths in 1947 according to place of occurrence for all registrations reported to the Illinois Department of Public Health up to January 30, 1948. Final figures will differ little from these provisional tabulations.

PRODUCTION DIFFICULTIES HAVE DELAYED THIS BULLETIN BY ALMOST THREE MONTHS. THE NEXT ISSUE WILL COME OUT LATE IN MARCH AND WILL CONTAIN A COMPLETE SUMMARY OF THE 1947 ANNUAL STATISTICS



## THE THREE QUARTER MARK OF 1947

There were 143,945 live births registered during the first nine months of this year giving a birth rate of 23.4 per thousand inhabitants. As usual, Downstate with its 82,479 live births and a birth rate of 23.8 per thousand inhabitants exceeds Chicago in both respects.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST NINE MONTHS

	1947	1946
LIVE BIRTHS per 1,000 population	23.4	18.6
DEATHS per 1,000 population	11.2	11.0

Note: Rates are expressed as their ANNUAL equivalents, based on estimates of Illinois' population in the first nine months as follows: May 15, 1947 - 8,207,169; May 15, 1946 - 7,990,021.

Infant and maternal mortality have both been lower during the current birth boom than ever before. Part of this is due to the fact that a rising birth rate tends to artificially depress these standards of measurement of the force of mortality due to child bearing and to the risks associated with early infancy.

It is apparent that the improvement in both infant and maternal mortality is in part due to the increased use of hospitals. In 1943, 87.8 per cent of all births took place in hospitals but in 1946, this rose to 93.1. Currently, about ninety-four per cent of our babies are born in hospitals. Most of this increase took place in downstate Illinois. Hospital births Downstate rose from 82.7 per cent in 1943 to 91.3 per cent in 1946. In the same period, hospital births in Chicago rose from 94.3 per cent to 95.6 per cent. Such better care coupled with the widespread use of the so-called "miracle medicines" (sulfa and antibiotics) has evidently been effective in reducing maternal and infant mortality. Fatal diarrhea of the newborn has been markedly lower, largely because repetitions of the tragic hospital outbreaks that marked 1946 have been avoided.

TABLE B - FETAL INFANT, AND MATERNAL MORTALITY RATES: FIRST NINE MONTHS

	Per 1,000 live births	
	1947	1946
FETAL MORTALITY (Stillbirths)	19.0	22.8
NEONATAL MORTALITY (under 1 month)	22.2	24.5
INFANT MORTALITY (under 1 year)	29.6	32.5
Premature birth	10.4	12.3
MATERNAL MORTALITY	1.1	1.6

Despite this improvement, the neonatal rate shows that much remains to be done. The neonatal death rate is not as affected by the increase in the birth rate as are the infant and maternal death rates. Currently, the neonatal death rate is 22.2 per thousand live births for the first nine months of 1947. Although this is a considerable improvement over the rate of 24.5 per thousand

live births for the same period of 1946, it is little if any better than the all time low of 21.8 reached in 1944. An examination of the causes of death that claim the lives of infants before they reach one month of age shows that deaths due to prematurity accounted for the bulk of the increase in 1945 and 1946. Even though prematurity as a cause of death is practically limited to young babies, it stands ninth on the list of leading causes of death among the entire population.

Diabetes mortality continues its gradual increase. There were 108 more diabetes deaths during the first nine months of 1947 than in the same period of 1946. The increase is largely confined to the aged, as over fifty-five per cent of diabetes deaths occur in persons sixty-five years or older.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES FOR THE FIRST NINE MONTHS

Cause	Deaths per 100 thousand inhabitants	
	1947	1946
1. HEART DISEASE	416.2	392.0
2. CANCER	161.6	159.3
3. CEREBRAL HEMORRHAGE	89.9	87.7
4. ALL ACCIDENTS	65.5	64.3
5. NEPHRITIS	64.0	70.5
6. INFLUENZA AND PNEUMONIA	40.5	38.0
7. TUBERCULOSIS	34.7	38.0
8. DIABETES	33.1	32.2
9. PREMATURE BIRTH	24.3	22.9
10. ARTERIOSCLEROSIS	17.6	19.9

Note: Rates are expressed as their annual equivalents.

This year's springtime outbreak brought the pneumonia death rate to its highest point in the last three years. A fuller discussion of pneumonia mortality is given on the back page of this Bulletin. Tuberculosis mortality continues on its gradual downgrade indicating that efforts at tuberculosis control have not been in vain.

There were 1,152 deaths from motor vehicles in the nine month period ending September 30, 1947, one less than in the same period of 1946. However, the rate in 1947 is 18.7 per hundred thousand inhabitants as compared to 19.2 in 1946. This slight decrease in the face of increased auto mileage in

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST NINE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1947	1946	1947	1946
ALL ACCIDENTS	4,030	3,851	65.5	64.3
Motor vehicle	1,152	1,153	18.7	19.2
Home accidents	1,327	1,267	21.6	21.1
Occupational	514	383	8.4	6.4
Public accidents	1,037	1,048	16.8	17.5

Note: Rates are expressed as their annual equivalents.



1946 is gratifying evidence of a betterment in traffic safety.

Public accident deaths have been lower in 1947 than in 1946, in number as well as rate, mainly because there has been no repetition of public disasters on the scale of the Naperville train wreck and the LaSalle Hotel fire that gave 1946 its bad record. Fatalities from accidents in the home have increased measurably. There were 1,327 home accidents in the first nine months of 1947 for a rate of 21.6 per hundred thousand inhabitants as compared to 1,267 deaths in the same period of 1946

for a rate of 21.1. The increase occurred among children less than one year of age and among those who had passed their sixty-fifth birthday.

Deaths from accidents associated with the decedent's occupation were 34 per cent higher for the first nine months of 1947 than in the same period of 1946. Had it not been for two serious coal mine accidents in 1947, the total number of occupational-accident deaths would have been very nearly the same, and the 1947 rate would actually have been a bit lower than in 1946.

\* \* \*

# BIRTHS AND DEATHS OCCURRING IN EACH COUNTY OF ILLINOIS DURING 1947

## (PROVISIONAL ANNUAL FIGURES)

County	*Estimated Population	Live Births	Still- births	Deaths	County	*Estimated Population	Live Births	Still- births	Deaths
Entire State	8,221,000	191,866	3,625	92,230	LaSalle	101,005	2,510	46	1,138
Chicago	3,583,088	82,705	1,648	39,163	Lawrence	21,262	170	1	175
Downstate	4,637,912	109,161	1,977	53,067	Lee	35,251	751	11	480
Adams	67,157	1,727	32	929	Livingston	39,212	754	16	436
Alexander	26,326	850	32	356	Logan	30,021	652	15	469
Bond	14,573	35	--	93	McDonough	27,315	692	21	368
Boone	15,435	437	10	232	McHenry	37,990	788	3	434
Brown	7,973	35	--	75	McLean	75,831	2,097	24	870
Bureau	38,159	923	17	439	Macon	88,061	2,783	46	1,030
Calhoun	8,022	84	3	52	Macoupin	47,379	319	8	352
Carroll	18,176	360	5	181	Madison	155,870	4,247	86	1,834
Cass	16,710	378	7	157	Marion	49,128	1,220	36	455
Champaign	72,605	2,483	38	786	Marshall	13,263	23	--	98
Christian	39,352	922	15	349	Mason	15,525	52	1	107
Clark	18,789	93	1	144	Massac	15,163	268	6	192
Clay	18,985	150	2	107	Menard	10,703	38	--	68
Clinton	23,213	389	11	194	Mercer	17,755	19	1	90
Coles	39,520	1,150	35	441	Monroe	12,745	14	--	81
Cook	4,283,924	100,527	1,924	47,883	Montgomery	35,075	979	21	502
Crawford	21,513	476	9	222	Morgan	37,273	844	24	822
Cumberland	11,522	58	1	72	Moultrie	13,490	44	--	75
DeKalb	35,078	1,075	19	449	Ogle	30,133	354	7	267
DeWitt	18,498	248	3	176	Peoria	160,429	5,202	92	2,163
Douglas	17,770	423	3	178	Perry	23,924	643	11	279
DuPage	108,324	1,910	34	1,005	Piatt	14,737	181	2	113
Edgar	24,692	496	9	276	Pike	25,311	390	4	240
Edwards	9,003	72	4	67	Pope	7,813	68	4	69
Effingham	22,180	943	12	289	Pulaski	16,059	161	11	123
Fayette	29,070	587	12	285	Putnam	5,321	4	--	32
Ford	15,089	259	1	144	Randolph	34,356	687	11	346
Franklin	54,900	474	8	426	Richland	17,273	650	14	270
Fulton	45,401	930	18	443	Rock Island	118,692	3,314	48	1,543
Gallatin	11,395	151	3	80	St. Clair	175,151	4,423	98	1,962
Greene	20,431	508	10	174	Saline	39,076	1,029	15	423
Grundy	18,720	397	3	171	Sangamon	122,521	3,433	66	1,607
Hamilton	13,149	247	3	126	Schuyler	11,330	128	1	113
Hancock	26,533	223	3	231	Scott	8,165	23	--	53
Hardin	7,698	161	10	71	Shelby	26,141	420	6	207
Henderson	8,953	21	--	34	Stark	8,863	9	1	50
Henry	44,747	1,110	23	489	Stephenson	41,643	1,306	23	528
Iroquois	32,450	591	11	284	Tazewell	60,324	1,011	29	433
Jackson	38,753	1,102	28	391	Union	21,582	477	9	477
Jasper	13,138	58	1	94	Vermilion	89,821	2,198	22	1,173
Jefferson	34,783	1,084	21	338	Wabash	13,960	184	2	107
Jersey	13,725	115	1	99	Warren	21,533	648	6	261
Jo Daviess	20,116	98	1	163	Washington	15,711	46	2	220
Johnson	10,513	134	3	112	Wayne	21,724	260	5	161
Kane	136,076	4,896	90	2,158	White	20,081	238	1	183
Kankakee	62,919	1,595	35	1,471	Whiteside	44,385	1,077	25	469
Kendall	11,097	3	--	58	Will	118,876	2,910	49	1,269
Knox	53,842	1,359	21	597	Williamson	53,044	1,247	31	588
Lake	126,774	3,732	65	1,331	Winnebago	126,755	3,765	66	1,361
					Woodford	19,178	37	1	142

\*As of July 1, 1947.

TABLE I LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, FIRST NINE MONTHS, 1947

County	*Estimated Population	Live Births	Still-births	Deaths	County	*Estimated Population	Live Births	Still-births	Deaths
Entire State	8,207,169	143,945	2,732	69,236	LaSalle	100,839	1,892	36	866
Chicago	3,577,002	61,466	1,240	29,160	Lawrence	21,227	129	1	128
Downstate	4,630,167	82,479	1,492	40,076	Lee	35,193	567	9	361
Adams	67,047	1,302	22	716	Livingston	39,148	568	12	325
Alexander	26,283	673	25	271	Logan	29,972	488	10	341
Bond	14,549	29	--	76	McDonough	27,270	518	14	275
Boone	15,410	323	8	171	McHenry	37,928	591	2	325
Brown	7,960	24	--	55	McLean	75,706	1,613	21	657
Bureau	38,096	676	15	322	Macon	87,916	2,103	32	764
Calhoun	8,009	70	2	39	Macoupin	47,301	261	6	250
Carroll	18,146	268	4	139	Madison	155,614	3,187	69	1,386
Cass	16,682	282	6	123	Marion	49,047	953	25	341
Champaign	72,486	1,898	29	598	Marshall	13,241	18	--	79
Christian	39,287	683	12	254	Mason	15,500	44	1	87
Clark	18,758	74	1	113	Massac	15,138	210	5	142
Clay	18,954	100	2	81	Menard	10,685	31	--	48
Clinton	23,175	284	6	151	Mercer	17,719	13	1	64
Coles	39,455	853	28	324	Monroe	12,724	14	--	62
Cook	4,276,687	74,970	1,455	35,722	Montgomery	35,017	748	15	364
Crawford	21,478	380	7	171	Morgan	37,212	637	16	636
Cumberland	11,503	52	1	58	Moultrie	13,468	33	--	49
DeKalb	35,020	834	12	334	Ogle	30,083	268	6	211
DeWitt	18,468	186	3	128	Peoria	160,166	3,933	67	1,640
Douglas	17,741	316	3	142	Perry	23,885	485	9	215
DuPage	108,146	1,445	23	742	Piatt	14,713	132	2	92
Edgar	24,652	378	6	208	Pike	25,269	305	2	181
Edwards	8,988	56	4	48	Pope	7,800	53	3	57
Effingham	22,144	701	10	218	Pulaski	16,033	119	7	90
Fayette	29,022	432	9	228	Putnam	5,312	3	--	23
Ford	15,064	208	1	103	Randolph	34,300	517	6	257
Franklin	54,810	329	7	331	Richland	17,245	498	9	192
Fulton	45,326	688	16	346	Rock Island	118,479	2,451	36	1,185
Gallatin	11,376	114	3	65	St. Clair	174,798	3,341	69	1,503
Greene	20,397	340	7	129	Saline	39,012	792	14	322
Grundy	18,689	296	--	125	Sangamon	122,320	2,532	50	1,240
Hamilton	13,127	181	3	89	Schuyler	11,311	98	1	86
Hancock	26,467	175	3	185	Scott	8,152	16	--	39
Hardin	7,685	125	8	49	Shelby	26,098	347	5	164
Henderson	8,931	19	--	29	Stark	8,848	6	1	33
Henry	44,674	826	18	350	Stephenson	41,575	1,005	14	407
Iroquois	32,397	435	7	203	Tazewell	60,225	746	20	338
Jackson	38,689	821	21	301	Union	21,547	378	8	383
Jasper	13,116	47	1	70	Vermilion	89,673	1,691	16	892
Jefferson	34,726	825	15	251	Wabash	13,937	140	2	83
Jersey	13,701	95	1	73	Warren	21,498	488	4	178
Jo Daviess	20,083	76	--	119	Washington	15,685	37	1	186
Johnson	10,496	98	2	88	Wayne	21,688	196	5	124
Kane	135,853	3,700	62	1,592	White	20,048	174	1	125
Kankakee	62,816	1,183	27	1,107	Whiteside	44,312	815	22	350
Kendall	11,079	3	--	44	Will	118,681	2,167	36	957
Knox	53,753	1,018	16	455	Williamson	52,957	948	24	449
Lake	126,559	2,820	51	994	Winnebago	126,547	2,906	54	1,042
					Woodford	19,147	29	1	112

\*As of May 15, 1947. Projected from U.S. Census estimate for July 1, 1946.



TABLE II DEATHS IN ILLINOIS, FIRST NINE MONTHS, 1947  
(All occurrences within the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	69,236	4,258	4,895	567	1,315	5,600	21,542	35,302	15
SELECTED CAUSES OF DEATH	64,393	4,002	4,501	467	1,103	4,964	20,307	33,041	10
Diseases of infancy	3,374	3,222	3,293	16	14	25	21	5	--
Maternal causes	152	xxx	xxx	--	41	109	2	xxx	--
Communicable diseases, total	717	52	88	20	22	96	335	156	--
Diphtheria	8	--	3	1	2	1	1	--	--
Dysentery - all forms	11	4	7	--	--	1	2	1	--
Encephalitis	18	--	1	1	3	5	5	3	--
Measles	7	2	4	1	1	--	--	1	--
Meningitis	35	9	16	5	--	3	9	2	--
Poliomyelitis	18	2	5	6	5	2	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	520	6	7	1	6	66	311	129	--
Typhoid & paratyphoid fever	9	--	--	--	3	1	1	4	--
Whooping cough	35	26	34	1	--	--	--	--	--
Other communicable diseases	55	3	11	4	2	16	6	16	--
Acute respiratory diseases	2,495	405	497	28	28	215	665	1,062	--
Influenza	208	17	27	5	3	11	32	130	--
Pneumonia	2,287	388	470	23	25	204	633	932	--
Tuberculosis - all forms	2,133	11	37	22	209	682	841	342	--
Pulmonary tuberculosis	1,966	4	14	13	184	641	793	321	--
Accidents - all forms	4,030	99	244	223	439	695	1,008	1,419	2
Motor vehicle	1,152	5	45	86	240	255	314	211	1
Home	1,327	85	156	41	22	92	185	831	--
Occupational	514	xxx	xxx	1	46	174	225	68	--
Public	1,037	9	43	95	131	174	284	309	1
Cancer	9,946	3	31	41	53	774	4,267	4,779	1
Cerebral hemorrhage	5,533	4	16	9	13	168	1,525	3,801	1
Diabetes	2,035	1	4	6	20	82	738	1,185	--
Diseases of digestive system	2,857	184	245	41	59	376	1,154	982	--
Cirrhosis of the liver	835	6	8	2	--	133	439	253	--
Diarrhea and enteritis	188	125	148	2	4	7	8	19	--
Goiter	137	--	--	--	3	16	60	58	--
Heart disease	25,618	10	21	29	77	1,117	8,226	16,143	5
Coronary	6,218	2	2	--	7	319	2,687	3,203	--
Chronic rheumatic	1,248	--	2	17	39	217	455	518	--
Homicide	269	10	12	3	51	140	53	10	--
Nephritis	3,941	1	12	12	35	281	1,038	2,562	1
Prostatic disease	431	--	--	--	--	1	54	376	--
Rheumatic fever	29	--	1	13	2	9	3	1	--
Suicide	696	xxx	xxx	4	37	178	317	160	--
ALL OTHER CAUSES	4,297	235	356	91	137	508	1,073	2,129	3
CAUSE AS YET UNASSIGNED	546	21	38	9	75	128	162	132	2

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA,  
FIRST NINE MONTHS, 1947  
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	39,088	2,341	2,673	292	678	3,556	14,165	17,720	4
SELECTED CAUSES OF DEATH	36,763	2,198	2,456	240	559	3,176	13,450	16,878	4
Diseases of infancy	1,869	1,789	1,822	9	9	10	16	3	--
Maternal causes	74	xxx	xxx	--	17	56	1	--	--
Communicable diseases, total	306	23	38	10	12	38	155	53	--
Diphtheria	4	--	--	--	2	1	1	--	--
Dysentery - all forms	2	1	1	--	--	1	--	--	--
Encephalitis	7	--	--	--	1	4	2	--	--
Measles	4	2	4	--	--	--	--	--	--
Meningitis	29	5	12	4	--	2	9	2	--
Poliomyelitis	11	1	3	3	4	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	213	4	4	--	4	20	141	44	--
Typhoid & paratyphoid fever	2	--	--	--	1	--	--	1	--
Whooping cough	9	8	9	--	--	--	--	--	--
Other communicable diseases	25	2	5	3	--	9	2	6	--
Acute respiratory diseases	1,471	236	281	12	14	147	482	535	--
Influenza	40	4	6	3	1	1	12	17	--
Pneumonia	1,431	232	275	9	13	146	470	518	--
Tuberculosis - all forms	1,471	8	30	19	167	506	581	168	--
Pulmonary tuberculosis	1,347	3	11	10	144	475	547	160	--
Accidents - all forms	1,759	39	112	99	127	296	531	594	--
Motor vehicle	483	--	22	38	53	100	165	105	--
Home	588	36	74	21	11	51	112	319	--
Occupational	150	xxx	xxx	--	12	55	69	14	--
Public	538	3	16	40	51	90	185	156	--
Cancer	6,033	2	17	24	34	495	2,820	2,642	1
Cerebral hemorrhage	2,599	2	5	3	7	113	895	1,576	--
Diabetes	1,238	--	3	4	7	43	499	682	--
Diseases of digestive system	1,618	88	121	24	34	228	745	466	--
Cirrhosis of the liver	575	6	8	1	--	97	329	140	--
Diarrhea and enteritis	74	53	60	1	1	3	5	4	--
Goiter	79	--	--	--	1	11	37	30	--
Heart disease	15,324	3	9	20	54	830	5,751	8,657	3
Coronary	3,093	--	--	--	4	216	1,568	1,305	--
Chronic rheumatic	703	--	1	11	28	164	305	194	--
Homicide	197	8	9	2	38	103	36	9	--
Nephritis	2,145	--	9	3	23	201	681	1,228	--
Prostatic disease	201	--	--	--	--	--	36	165	--
Rheumatic fever	15	--	--	9	1	4	1	--	--
Suicide	364	xxx	xxx	2	14	95	183	70	--
ALL OTHER CAUSES	2,008	133	196	46	73	300	609	784	--
CAUSE AS YET UNASSIGNED	317	10	21	6	46	80	106	58	--

Chicago Metropolitan Area (Region 1)--1940 population: Total 4,532,332; Urban 4,236,601; Rural 275,731.  
Counties: Cook, DuPage, Kane, Lake, and Will.  
(See maphead for map of State by Regions.)



TABLE IV DEATHS AMONG RESIDENTS OF THE NORTHERN AREA,  
FIRST NINE MONTHS, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	7,393	466	562	61	134	498	1,820	4,318	--
SELECTED CAUSES OF DEATH	6,843	449	519	50	115	415	1,705	4,039	--
Diseases of infancy	398	372	386	2	3	4	3	--	--
Maternal causes	16	xxx	xxx	--	2	14	--	xxx	--
Communicable diseases, total	125	10	15	4	2	18	54	32	--
Diphtheria	1	--	--	1	--	--	--	--	--
Dysentery - all forms	1	--	--	--	--	--	1	--	--
Encephalitis	2	--	--	1	1	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	4	4	4	--	--	--	--	--	--
Poliomyelitis	2	--	--	1	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	96	--	1	1	--	16	51	27	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	7	6	7	--	--	--	--	--	--
Other communicable diseases	12	--	3	--	--	2	2	5	--
Acute respiratory diseases	278	36	55	4	7	16	51	145	--
Influenza	34	1	4	1	1	2	6	20	--
Pneumonia	244	35	51	3	6	14	45	125	--
Tuberculosis - all forms	206	--	1	1	9	53	85	57	--
Pulmonary tuberculosis	189	--	1	1	9	50	76	52	--
Accidents - all forms	468	15	32	23	62	66	92	193	--
Motor vehicle	129	1	3	8	33	27	29	29	--
Home	161	12	14	5	3	10	20	109	--
Occupational	39	xxx	xxx	1	6	9	15	8	--
Public	139	2	15	9	20	20	28	47	--
Cancer	957	1	3	6	6	62	345	535	--
Cerebral hemorrhage	683	--	3	--	3	12	152	513	--
Diabetes	206	1	1	2	2	8	57	136	--
Diseases of digestive system	325	13	21	4	7	51	109	133	--
Cirrhosis of the liver	63	--	--	--	--	14	26	23	--
Diarrhea and enteritis	20	9	13	--	1	2	1	3	--
Goiter	15	--	--	--	--	1	5	9	--
Heart disease	2,649	1	2	2	4	62	627	1,952	--
Coronary	841	--	--	--	1	22	305	513	--
Chronic rheumatic	132	--	--	2	3	10	38	79	--
Homicide	5	--	--	--	--	3	2	--	--
Nephritis	373	--	--	2	4	22	84	261	--
Prostatic disease	57	--	--	--	--	--	6	51	--
Rheumatic fever	3	--	--	--	--	1	1	1	--
Suicide	79	xxx	xxx	--	4	22	32	21	--
ALL OTHER CAUSES	503	15	39	10	13	74	103	264	--
CAUSE AS YET UNASSIGNED	47	2	4	1	6	9	12	15	--

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kaneesee, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA,  
FIRST NINE MONTHS, 1947  
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	1,877	114	126	11	33	140	492	1,075	--
SELECTED CAUSES OF DEATH	1,698	104	114	11	27	127	455	964	--
Diseases of infancy	92	89	90	1	--	--	1	--	--
Maternal causes	8	<del>xxx</del>	<del>xxx</del>	--	3	5	--	<del>xxx</del>	--
Communicable diseases, total	24	1	3	--	--	1	13	7	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	20	--	--	--	--	1	12	7	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	2	--	--	--	--	--	--
Other communicable diseases	1	--	1	--	--	--	--	--	--
Acute respiratory diseases	67	8	9	1	2	3	18	34	--
Influenza	6	1	1	--	1	1	--	3	--
Pneumonia	61	7	8	1	1	2	18	31	--
Tuberculosis - all forms	40	--	--	--	2	11	13	14	--
Pulmonary tuberculosis	38	--	--	--	2	10	13	13	--
Accidents - all forms	139	4	7	6	13	24	28	61	--
Motor vehicle	46	--	2	3	10	12	12	7	--
Home	59	3	4	--	2	4	7	42	--
Occupational	12	<del>xxx</del>	<del>xxx</del>	--	1	5	1	5	--
Public	22	1	1	3	--	3	8	7	--
Cancer	245	--	1	1	1	22	96	124	--
Cerebral hemorrhage	153	--	--	--	--	4	29	120	--
Diabetes	50	--	--	--	1	5	19	25	--
Diseases of digestive system	68	2	4	1	--	8	16	39	--
Cirrhosis of the liver	17	--	--	--	--	2	6	9	--
Diarrhea and enteritis	4	1	2	--	--	1	--	1	--
Goiter	5	--	--	--	--	1	2	2	--
Heart disease	617	--	--	1	2	26	182	406	--
Coronary	180	--	--	--	--	7	71	102	--
Chronic rheumatic	54	--	--	1	2	8	22	21	--
Homicide	8	--	--	--	1	5	2	--	--
Nephritis	147	--	--	--	1	8	28	110	--
Prostatic disease	19	--	--	--	--	--	2	17	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	16	<del>xxx</del>	<del>xxx</del>	--	1	4	6	5	--
ALL OTHER CAUSES	175	10	12	--	5	12	35	111	--
CAUSE AS YET UNASSIGNED	4	--	--	--	1	1	2	--	--



TABLE VI DEATHS AMONG RESIDENTS OF THE CENTRAL AREA,  
FIRST NINE MONTHS, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-54 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	11,165	703	808	105	197	615	2,501	6,935	4
SELECTED CAUSES OF DEATH	10,295	661	746	87	175	547	2,319	6,420	1
Diseases of infancy	549	526	537	3	1	5	1	2	--
Maternal causes	21	<del>xxx</del>	<del>xxx</del>	--	6	15	--	<del>xxx</del>	--
Communicable diseases, total	139	6	12	1	5	16	60	45	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	5	1	3	--	--	--	1	1	--
Encephalitis	3	--	--	--	--	--	--	3	--
Measles	1	--	--	--	1	--	--	--	--
Meningitis	1	--	--	--	--	1	--	--	--
Poliomyelitis	3	--	1	1	--	1	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	103	--	--	--	2	9	57	35	--
Typhoid & paratyphoid fever	6	--	--	--	1	1	1	3	--
Whooping cough	8	5	8	--	--	--	--	--	--
Other communicable diseases	8	--	--	--	1	3	1	3	--
Acute respiratory diseases	358	68	90	8	2	22	52	184	--
Influenza	55	4	8	1	--	2	5	39	--
Pneumonia	303	64	82	7	2	20	47	145	--
Tuberculosis - all forms	166	--	1	2	10	43	65	45	--
Pulmonary tuberculosis	154	--	--	2	9	40	62	41	--
Accidents - all forms	764	22	48	47	102	123	115	329	--
Motor vehicle	245	1	10	23	71	54	48	39	--
Home	293	19	34	7	1	13	22	216	--
Occupational	72	<del>xxx</del>	<del>xxx</del>	--	9	30	16	17	--
Public	154	2	4	17	21	26	29	57	--
Cancer	1,492	--	4	4	4	98	510	872	--
Cerebral hemorrhage	1,183	1	5	5	1	16	240	916	--
Diabetes	300	--	--	--	4	17	85	194	--
Diseases of digestive system	445	32	39	8	10	41	150	197	--
Cirrhosis of the liver	94	--	--	1	--	9	38	46	--
Diarrhea and enteritis	41	26	31	1	2	--	1	6	--
Goiter	22	--	--	--	1	1	9	11	--
Heart disease	3,861	5	8	3	9	91	836	2,914	--
Coronary	1,246	1	1	--	1	36	411	797	--
Chronic rheumatic	204	--	--	1	4	15	49	135	--
Homicide	20	1	2	--	4	9	5	--	--
Nephritis	754	--	--	3	4	25	128	593	1
Prostatic disease	88	--	--	--	--	--	4	84	--
Rheumatic fever	7	--	--	3	1	3	--	--	--
Suicide	126	<del>xxx</del>	<del>xxx</del>	--	11	22	59	34	--
ALL OTHER CAUSES	802	39	57	16	19	52	168	489	1
CAUSE AS YET UNASSIGNED	68	3	5	2	3	16	14	26	2

Central Area (Region 4)--1940 population. Total 1,551,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,  
FIRST NINE MONTHS, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	2,733	205	223	19	63	206	764	1,457	1
SELECTED CAUSES OF DEATH	2,473	190	203	17	50	180	700	1,322	1
Diseases of infancy	152	147	149	--	--	3	--	--	--
Maternal causes	9	xxx	xxx	--	5	4	--	xxx	--
Communicable diseases, total	39	2	3	1	--	9	19	7	--
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	33	1	1	--	--	8	17	7	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	1	1	--	--	--	--	--
Other communicable diseases	2	--	--	--	--	1	1	--	--
Acute respiratory diseases	88	15	16	--	--	7	27	38	--
Influenza	19	2	2	--	--	1	5	11	--
Pneumonia	69	13	14	--	--	6	22	27	--
Tuberculosis - all forms	67	--	1	--	4	22	30	10	--
Pulmonary tuberculosis	65	--	1	--	4	22	30	8	--
Accidents - all forms	186	10	12	11	28	23	37	75	--
Motor vehicle	45	--	--	--	16	12	13	4	--
Home	77	9	11	1	1	5	7	52	--
Occupational	14	xxx	xxx	--	1	2	7	4	--
Public	50	1	1	10	10	4	10	15	--
Cancer	316	--	2	2	--	27	124	161	--
Cerebral hemorrhage	282	--	1	--	1	6	72	201	1
Diabetes	74	--	--	--	2	3	27	42	--
Diseases of digestive system	124	16	19	--	3	9	43	50	--
Cirrhosis of the liver	28	--	--	--	--	2	16	10	--
Diarrhea and enteritis	18	14	16	--	--	--	1	1	--
Goiter	7	--	--	--	--	--	5	2	--
Heart disease	915	--	--	1	2	37	260	615	--
Coronary	225	--	--	--	--	10	102	113	--
Chronic rheumatic	36	--	--	1	--	9	12	14	--
Homicide	18	--	--	1	4	10	2	1	--
Nephritis	147	--	--	1	1	9	36	100	--
Prostatic disease	14	--	--	--	--	--	2	12	--
Rheumatic fever	1	--	--	--	--	--	1	--	--
Suicide	34	xxx	xxx	--	--	11	15	8	--
ALL OTHER CAUSES	211	13	16	2	6	15	51	121	--
CAUSE AS YET UNASSIGNED	49	2	4	--	7	11	13	14	--

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073  
Counties: Madison and St. Clair.  
(See maphead for map of State by Regions.)



TABLE VIII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA,  
FIRST NINE MONTHS, 1947  
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	5,620	375	428	59	122	402	1,310	3,295	4
SELECTED CAUSES OF DEATH	5,091	347	393	48	108	361	1,223	2,956	2
Diseases of infancy	259	252	256	1	1	1	--	--	--
Maternal causes	21	xxx	xxx	--	6	14	1	xxx	--
Communicable diseases, total	68	10	16	3	3	14	24	8	--
Diphtheria	2	--	2	--	--	--	--	--	--
Dysentery - all forms	3	2	3	--	--	--	--	--	--
Encephalitis	3	--	1	--	1	1	--	--	--
Measles	1	--	--	1	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--	--
Polioomyelitis	1	1	1	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	44	1	1	--	--	12	24	7	--
Typhoid & paratyphoid fever	1	--	--	--	1	--	--	--	--
Whooping cough	6	5	6	--	--	--	--	--	--
Other communicable diseases	6	1	2	1	1	1	--	1	--
Acute respiratory diseases	197	38	41	3	3	15	24	111	--
Influenza	51	4	5	--	--	3	4	39	--
Pneumonia	146	34	36	3	3	12	20	72	--
Tuberculosis - all forms	153	3	4	--	10	41	52	46	--
Pulmonary tuberculosis	146	1	1	--	10	40	50	45	--
Accidents - all forms	526	8	27	30	62	104	158	145	--
Motor vehicle	112	3	7	7	31	24	23	20	--
Home	127	5	16	7	3	5	15	81	--
Occupational	199	xxx	xxx	--	12	58	110	19	--
Public	88	--	4	16	16	17	10	25	--
Cancer	651	--	2	1	4	46	227	371	--
Cerebral hemorrhage	550	1	2	--	1	14	108	425	--
Diabetes	145	--	--	--	2	6	43	94	--
Diseases of digestive system	218	32	40	4	4	20	69	81	--
Cirrhosis of the liver	46	--	--	--	--	6	18	22	--
Diarrhea and enteritis	29	21	25	--	--	1	--	3	--
Goiter	8	--	--	--	1	1	2	4	--
Heart disease	1,850	1	1	2	3	52	419	1,371	2
Coronary	482	1	1	--	1	19	162	299	--
Chronic rheumatic	102	--	--	1	2	9	22	68	--
Homicide	11	1	1	--	2	5	3	--	--
Nephritis	331	1	2	1	2	12	70	244	--
Prostatic disease	40	--	--	--	--	1	3	36	--
Rheumatic fever	3	--	1	1	--	1	--	--	--
Suicide	60	xxx	xxx	2	4	14	20	20	--
ALL OTHER CAUSES	501	25	32	11	14	35	82	325	2
CAUSE AS YET UNASSIGNED	28	3	3	--	--	6	5	14	--

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

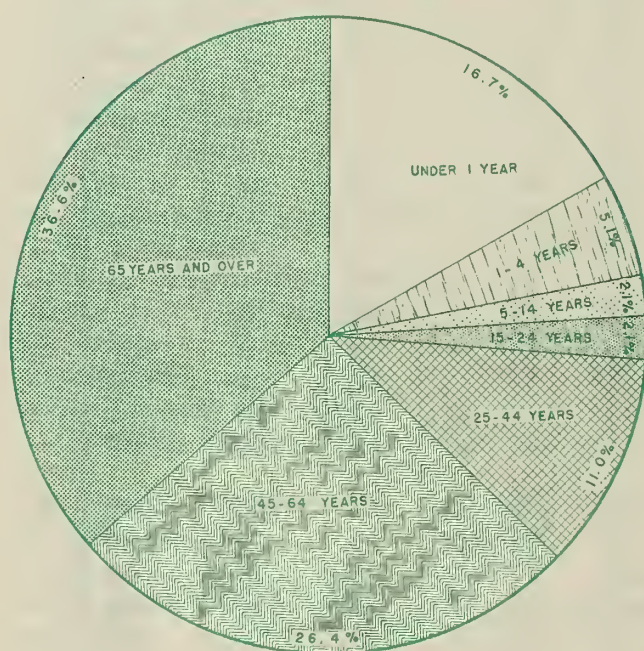
Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

## INFLUENZA AND PNEUMONIA

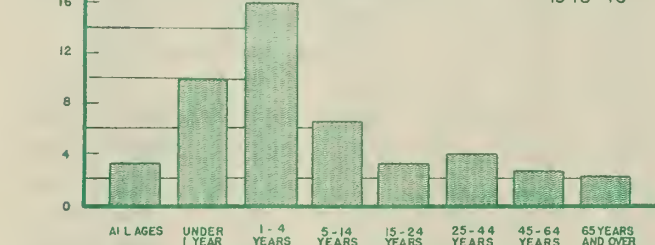
One need only glance at the graph of pneumonia and influenza cases and deaths on this page to realize the extent of the achievements made in the prevention of deaths from these causes. The explosive pandemic of 1918-1919 took an estimated 55,000 lives in Illinois. During the period of 1921-1929, pneumonia and influenza caused an average of 125.9 deaths per 100,000 population. This was reduced to an average of 45.7 deaths per 100,000 population during the period from 1940-1946.

The impact of pneumonia is illustrated by the

DISTRIBUTION OF PNEUMONIA DEATHS BY AGE OVER THE TWO YEAR PERIOD 1945 - 1946

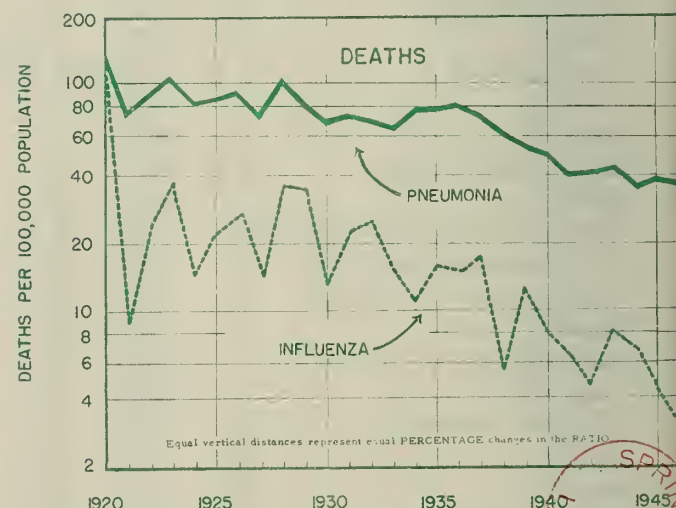
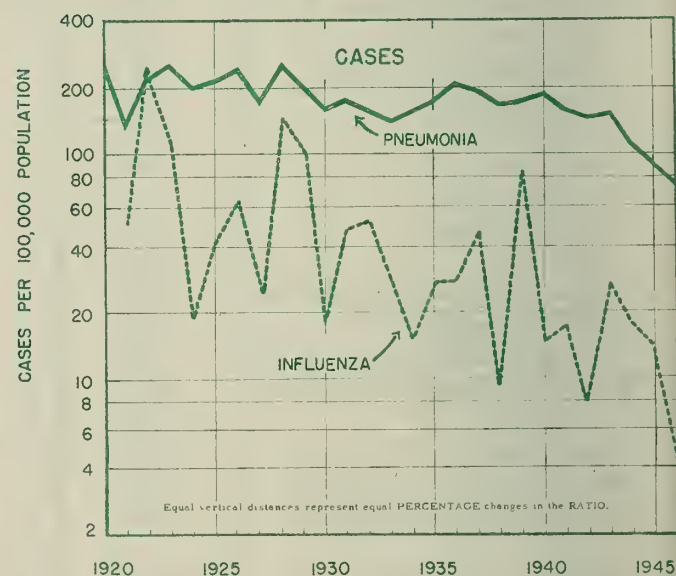


PNEUMONIA'S SHARE IN TOTAL MORTALITY AT VARIOUS AGES OVER THE TWO YEAR PERIOD, 1945-46



charts on this page. Less than seven per cent of deaths at age five or older are caused by pneumonia. However, the disease accounts for about sixteen per cent of the deaths among one-to-four year old children and ten per cent of baby deaths. Of course, most pneumonia deaths occur at the older ages. Of the 5,707 deaths from pneumonia occurring in 1945 and 1946, 26.4 per cent were among persons between forty-five and sixty-four years of age while 36.6 per cent were among persons over sixty-four years of age. Thus the major problem in pneumonia control is concentrated in the very young and the aged.

PNEUMONIA AND INFLUENZA IN ILLINOIS, 1920-1946



## HEALTH STATISTICS BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
SPRINGFIELD, ILLINOIS

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Division of Vital Statistics & Records—O. K. Sagen, Ph.D., Chief

1947 Series, No. 4

Springfield, Illinois

June 23, 1948

## THE HEALTH RECORD FOR 1947

### ANNUAL BIRTH RATE HIGHEST EVER

In 1947 there were 23.4 live births for every 1,000 persons. This is the highest rate attained in Illinois for any single year and is two per thousand above the previous high mark established in 1946. Despite this, October, 1946 still holds the record for a single month when a rate of 26.7 was established. The great birth boom has been slowly falling off from that record month and all indications show that a gradual lowering of the birth rate will continue throughout 1948.

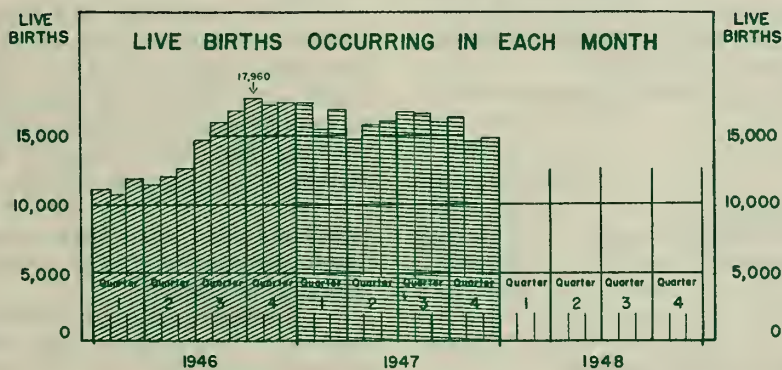
As usual, more boys than girls were born, male births being 51.4 per cent of the total. The racial distribution of births was 92.2 per cent white, 7.6 per cent negro, and 0.2 per cent other races. About 94 per cent of all the babies were born in hospitals. Only 3 out of every thousand babies were attended at birth by a midwife or other non-medical practitioner.

### POPULATION GROWS AS DEATH RATE REMAINS STEADY

Although there were almost four thousand more deaths in 1947 than in 1946, the general death rate remained practically unchanged in rising from 11.0 to 11.2 per thousand inhabitants. The death rate remained so steady because the state's population at midyear 1947 was estimated to be 192 thousand greater than at midyear 1946. While a considerable part of this apparent increase represents the return of people from the armed services, the greatest part is due to the great rate at which births out-strip deaths. During the calendar year

1947 births exceeded deaths by almost 100,000, another new record. The course of population growth and how it has been affected by births and deaths is demonstrated by the chart on the back page of this bulletin.

Mortality among whites accounted for 92



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percent of all deaths. Preponderantly more deaths occurred among males than females as 57.2 per cent of all deaths were male.

TABLE A - BIRTH AND DEATH RATES

	1947	1946
LIVE BIRTHS per 1,000 population	23.4	21.3
DEATHS per 1,000 population	11.2	11.0

Note: Rates are based on estimates of Illinois' population as follows: July 1, 1947—8,221,000; July 1, 1946—8,028,453.

#### MATERNAL AND INFANT MORTALITY AT NEW LOW

In 1947 there were only ten deaths from maternal causes for every ten thousand new babies. This represents significant progress over 1946 with its thirteen per ten thousand and almost a miracle of improvement over the seventy maternal deaths for every ten thousand births in 1921. Recent progress has been based on the decrease in deaths from both puerperal septicemia and toxemia.

Both fetal and infant mortality declined to new low levels in 1947. The gains made in the saving of infant lives, however, were confined to the causes of death that account for the minor portion of infant mortality. The death rate from premature birth, the major cause of infant death, while a little lower in 1947 than in 1946, was still above the 1944 low of 9.4 per thousand live births. Mortality from diarrhea and enteritis dropped to 2.7 per hundred thousand population in 1947, thus continuing its decline of recent years.

TABLE B - FETAL, INFANT, AND MATERNAL  
MORTALITY RATES

	Per 1,000 live births	
	1947	1946
FETAL MORTALITY (Stillbirths)	18.9	21.3
NEONATAL MORTALITY (under 1 month)	21.7	22.9
INFANT MORTALITY (under 1 year)	28.8	30.2
Premature birth	10.2	11.4
MATERNAL MORTALITY	1.0	1.3

#### INFLUENZA AND PNEUMONIA UP TUBERCULOSIS DOWN

Although influenza and pneumonia mortality was high during the outbreak in the spring of 1947, the mortality experience for the remainder of the year was very favorable. For 1947 as a whole, the combined rate for the two diseases was 39.9 deaths per hundred thousand inhabitants as compared to 37.8 in 1946. Provisional national statistics on influenza and pneumonia show that Illinois was more fortunate than the U. S. as a whole. The national combined rate was 44.4 deaths per hundred thousand population in 1947 and 46.6 in 1946.

Tuberculosis mortality reached another new all time low in its steady decline. The 33.7 tuberculosis deaths per hundred thousand inhabitants in 1947, as compared with 81.5 in 1921, is testimony to the unremitting effort at controlling tuberculosis.

Pulmonary tuberculosis was responsible for 92 per cent of the 2,770 deaths from all forms of tuberculosis recorded in 1947. There were twice as many deaths from tuberculosis among males as among females in 1947.

#### REDUCTION IN MORTALITY FROM COMMUNICABLE DISEASE

The downward trend of mortality from communicable diseases in general, maintained over so many years, was continued in 1947. Mortality from some of the diseases that took a heavy toll of lives in the past has now become almost negligible in a numerical sense. For the ninth successive year in Illinois there was no death from smallpox. There was only one death from scarlet fever in 1947 as compared to ten in 1946 and twenty-seven in 1945. There were only seven deaths from tetanus in 1947 as compared to twenty-eight in 1940 and fifty-six in 1931.

We are not, however, making full use of the knowledge gained in the prevention of deaths from communicable disease. There were forty-one deaths from whooping cough in 1947 as compared to thirty in 1946. Forty of these forty-one deaths occurred among children under five years of age, a sad commentary on the failure to immunize all babies against this disease.

Mortality from poliomyelitis in 1947 was 0.3 per hundred thousand population, a normal rate for a non-epidemic year. There were only 26 deaths from polio in 1947 as compared to 171 deaths recorded during the severe outbreak of this disease in 1946.

The total diphtheria death rate of 0.1 per hundred thousand population in 1947 is apparently favorable. Even more so is the fact that only seven deaths in 1947, as compared to fifteen in 1946, were caused by diphtheria among children under 15 years of age. But disturbingly many deaths from diphtheria occur among adults. In 1946 diphtheria caused sixteen adult deaths and in 1947 took five adult lives; a very high proportion of total diphtheria mortality that has not been matched in previous experience.

Undulant fever mortality was sharply higher in 1947. There were five deaths in 1947 as compared to one death in 1946 and three in 1945.

TABLE C - MORTALITY FROM THE TEN  
LEADING CAUSES

Cause	Deaths per 100 thousand inhabitants	
	1947	1946
1. HEART DISEASE	416.3	391.4
2. CANCER	163.5	160.8
3. CEREBRAL HEMORRHAGE*	90.2	87.9
4. ALL ACCIDENTS	70.3	69.0
5. NEPHRITIS	63.7	69.7
6. INFLUENZA AND PNEUMONIA	39.9	37.8
7. TUBERCULOSIS	33.7	36.8
8. DIABETES	33.3	31.7
9. PREMATURE BIRTH	23.8	24.3
10. ARTERIOSCLEROSIS	17.4	19.0

\*Intracranial lesions of vascular origin



## HEART DISEASE AND CANCER DEATHS CONTINUE TO RISE

The diseases characteristic of the older ages continue to take a heavier toll of lives as more and more of our population attains the older ages. Mortality from heart disease rose to a new all time high of 416 deaths per hundred thousand population in 1947. This represents an increase of 6.4 per cent over the rate of 391 in 1946. Comparison with the 1946 rate, however, tends to exaggerate the picture somewhat due to the especially favorable mortality experience in Illinois during 1946. The 391 deaths per hundred thousand population in 1946 was decidedly lower than the rate of 413 in 1945 and 402 per hundred thousand population in 1944. The mortality experience from heart disease in Illinois parallels that of the nation. Provisional rates obtained from a ten per cent sample of death certificates in the United States show that for the nation as a whole there were 322 deaths from heart disease per hundred thousand population in 1947 as compared to 312 in 1946 and 322 in 1945. Most of the increase in heart disease mortality in Illinois was due to the greater number of deaths from diseases of the coronary arteries and angina pectoris, and to the chronic heart conditions other than chronic rheumatic heart disease.

Although cancer mortality was higher in 1947 than in 1946, it was below the rate of 166.6 per hundred thousand population for 1945. Cancer of the digestive organs accounted for 46 per cent of all cancer deaths in 1947, while cancer of the female genital organs accounted for 12 per cent, and cancer of the breast was responsible for 9 per cent of all cancer deaths.

Diabetes mortality at 33.3 deaths per hundred thousand population was also higher in 1947 than in 1946 but below the 1945 high. Although the number of deaths from diabetes has been increasing since 1940, the death rate has remained between a low of 29 deaths per hundred thousand population in 1941 and a high of 35 per hundred thousand population in 1945.

Mortality from nephritis dropped to a new all time low of 63.7 deaths per hundred thousand population in 1947, which is almost one-half of the high of 126.4 recorded in 1928. Nephritis is one of the few chronic diseases characteristic of the older ages for which mortality has been decreasing in recent years.

## ACCIDENT MORTALITY LEVELING OFF HOMICIDE DOWN

The death toll from motor vehicle accidents, while somewhat higher in 1947 than in 1946, is still well below that of each year since 1930 except for the period of war-reduced travel from 1942 to 1945. The rate of 23.1 motor vehicle deaths per hundred thousand inhabitants for 1947 is still well below the 32.3 for 1941 and the 33.4 high in 1937. The real question in the light of increasing motor vehicle mortality is: are we returning to a new round of excessively high death rates from motor vehicle accidents?

TABLE D - ACCIDENTAL DEATHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1947	1946	1947	1946
ALL ACCIDENTS	5,783	5,537	70.3	69.0
Motor vehicle	1,900	1,825	23.1	22.7
Home accidents	1,855	1,779	22.5	22.2
Occupational	662	544	8.1	6.8
Public accidents	1,366	1,389	16.6	17.3

Since suicide and homicide mortality are reflections of social conditions, it is interesting to note the change in the mortality trend from these causes which occurred in 1947. Deaths from suicide and homicide took a decided drop during the war and then rose in 1945 and 1946 as the war drew to a close. However, in 1947 the death rate for suicide was essentially the same as in 1946 and the rate for homicide was somewhat lower with 5.1 per hundred thousand population as compared to 5.9 in 1946.

## UNUSUAL CAUSES OF DEATH

Among the more unusual causes of death, we find two deaths from leprosy that occurred in Chicago during the year. Since 1921, the first year for which accurate vital records for the state are available, there have been six deaths from leprosy recorded in Illinois. In addition to the two deaths in 1947, one death was reported in each of the years, 1945, 1928, 1924, and 1922, all having occurred in Chicago.

One death from beriberi was reported in

TABLE E-AGE DISTRIBUTION OF LEADING CAUSES OF DEATH: ILLINOIS, 1947

CAUSE	PERCENT OF TOTAL DEATHS FROM THE DISEASE						
	All Ages	Under 1 yr.	1-14 years	15-24 years	25-44 years	45-64 years	65 & over
1. Heart Disease	100.0	0.0	0.2	0.3	4.4	32.2	62.9
2. Cancer	100.0	0.0	0.6	0.6	7.6	42.9	48.3
3. All Accidents	100.0	2.5	8.5	10.9	18.4	25.2	34.5
4. Cerebral Hemorrhage*	100.0	0.1	0.4	0.2	3.0	27.4	68.9
5. Nephritis	100.0	0.1	0.6	1.0	6.7	26.2	65.4
6. Pneumonia	100.0	17.0	5.3	1.0	8.7	27.1	40.9
7. Tuberculosis	100.0	0.4	2.0	10.0	32.3	38.9	16.4
8. Diabetes	100.0	0.0	0.5	0.9	3.8	36.6	58.2

\*Intracranial lesions of vascular origin

1947, the first since 1943. There is reason to believe that the figure would have been higher if the "beriberi heart" were better recognized.

#### AGE DETERMINES THE LEADING CAUSES

For children and young people aged 1-24 years, the most frequent cause of death is the fatal accident. For people over 25, the most frequent cause of death is heart disease. These are the principal conclusions to be drawn from Tables E and F which show how age is related to the principal causes of death. Heart disease and cancer are too often considered to be only a problem of old age just because over 90 per cent of the people who die from these diseases are over 45 years of age. Actually, 20 per cent of all deaths among persons aged 25 to 44 is due to heart disease even though less than 5 per cent of all heart deaths occur in these ages. For cancer we find that only 1 per cent of all cancer deaths is among children aged 1 to 14 years but nevertheless, cancer accounts for 5 per cent of all deaths at this period of childhood.

Over 70 per cent of those who die from tuberculosis are between 25 and 65 years of age. However, among the young adults in the ages 15 to 25, tuberculosis accounts for 16 per cent of all deaths and is second only to accidents as the most frequent killer. For those between 25 and 45, tuberculosis ranks fourth with 12 per cent of the deaths at these ages. It is therefore readily apparent that full control of tuberculosis could prevent one out of every eight deaths in the productive years of life between 15 and 45.

A concentration of tuberculosis control efforts on people under 45 appears justifiable on the basis of this mortality picture. Even though 39 per cent of all who die from tuberculosis are between 45 and 65, the disease lacks the same primary importance at these older ages. Only 4 per cent of all deaths at age 45 to 65 is due to tuberculosis and the disease ranks only sixth in numerical importance for that age.

In considering the general problem of mortality, it is particularly important to note the special problems at the different stages of life. In infancy, mortality is closely confined to a related group of causes, "the diseases peculiar to the first year of life" and pneumonia. At older ages, the causes of mortality are spread over a wide range wherein no cause by itself, apart from the first four or five, accounts for as much as four per cent of the total mortality in the age group. The other salient feature of the mortality situation is that the degenerative diseases assume great importance even as immediate causes of death among young adults.

Conclusions based on a consideration of the causes of death as related to age are confirmed by the general mortality trends over the last three decades. The trends shown in the last part of this bulletin (p. 13 and ff) sustain the conclusion that ever-increasing emphasis must be brought to bear on the degenerative diseases. While we can never afford to relax efforts at obtaining and maintaining control over the communicable diseases, we can no longer put exclusive emphasis on them. Any large

scale reduction or postponement of mortality will have to come as the result of new success against fatal accidents and the degenerative diseases.

TABLE F - FIVE PRINCIPAL CAUSES OF DEATH  
AT EACH STAGE OF LIFE: ILLINOIS, 1947

AGE	CAUSE	PER CENT
ALL AGES		
	Heart Disease	31.7
	Cancer	14.6
	Cerebral Hemorrhage*	8.0
	All Accidents	6.3
	Nephritis	5.7
	All other causes	33.7
		100.0
UNDER 1 YEAR		
	Premature Birth	35.4
	Congenital Malformations	18.0
	Birth Injury	13.5
	Pneumonia	9.3
	Other Diseases of Infancy	9.3
	All other causes	14.5
		100.0
1-14 YEARS		
	All Accidents	31.4
	Pneumonia	10.2
	Congenital Malformations	7.4
	Cancer	5.5
	Tuberculosis	3.6
	All other causes	41.9
		100.0
15-24 YEARS		
	All Accidents	36.5
	Tuberculosis	16.1
	Heart Disease	6.3
	Homicide	4.4
	Cancer	4.4
	All other causes	32.3
		100.0
25-44 YEARS		
	Heart Disease	20.3
	All Accidents	14.3
	Cancer	13.7
	Tuberculosis	12.0
	Nephritis	4.7
	All other causes	35.0
		100.0
45-64 YEARS		
	Heart Disease	38.2
	Cancer	20.0
	Cerebral Hemorrhage*	7.0
	All Accidents	5.1
	Nephritis	4.8
	All other causes	24.9
		100.0
65 YEARS & OVER		
	Heart Disease	45.6
	Cancer	13.7
	Cerebral Hemorrhage*	10.8
	Nephritis	7.3
	All Accidents	4.2
	All other causes	18.4
		100.0

\*Intracranial lesions of vascular origin



TABLE I LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, 1947

County	*Estimated Population	Live Births	Still-births	Deaths	County	*Estimated Population	Live Births	Still-births	Deaths
Entire State	8,221,000	192,248	3,627	92,362	LaSalle	101,005	2,534	46	1,140
Chicago	3,583,088	82,694	1,648	39,157	Lawrence	21,262	175	1	175
Downstate	4,637,912	109,554	1,979	53,205	Lee	35,251	752	11	481
Adams	67,157	1,727	32	931	Livingston	39,212	755	16	438
Alexander	26,326	854	30	359	Logan	30,021	652	15	469
Bond	14,573	35	--	93	McDonough	27,315	694	21	369
Boone	15,435	437	10	232	McHenry	37,990	788	3	435
Brown	7,973	35	--	75	McLean	75,831	2,097	24	870
Bureau	38,159	923	17	441	Macon	88,061	2,784	46	1,030
Calhoun	8,022	87	3	53	Macoupin	47,379	344	8	353
Carroll	18,176	362	5	181	Madison	155,870	4,252	86	1,836
Cass	16,710	379	7	157	Marion	49,128	1,228	36	456
Champaign	72,605	2,485	37	785	Marshall	13,263	23	--	99
Christian	39,352	926	15	351	Mason	15,525	52	1	107
Clark	18,789	93	1	144	Massac	15,163	269	6	192
Clay	18,985	151	2	107	Menard	10,703	38	--	68
Clinton	23,213	391	11	193	Mercer	17,755	19	1	90
Coles	39,520	1,150	35	441	Monroe	12,745	14	--	83
Cook	4,283,924	100,549	1,924	47,894	Montgomery	35,075	979	20	502
Crawford	21,513	480	9	223	Morgan	37,273	845	24	822
Cumberland	11,522	66	1	81	Moultrie	13,490	45	--	75
DeKalb	35,078	1,075	19	449	Ogle	30,133	355	7	269
DeWitt	18,498	248	3	177	Peoria	160,429	5,210	92	2,169
Douglas	17,770	430	3	178	Perry	23,924	643	11	279
DuPage	108,324	1,911	34	1,005	Piatt	14,737	182	2	113
Edgar	24,692	496	9	277	Pike	25,311	391	4	241
Edwards	9,003	72	4	67	Pope	7,813	69	4	69
Effingham	22,180	946	12	289	Pulaski	16,059	163	11	123
Fayette	29,070	589	12	285	Putnam	5,321	4	--	32
Ford	15,089	261	1	144	Randolph	34,356	697	11	347
Franklin	54,900	495	8	428	Richland	17,273	659	14	270
Fulton	45,401	933	18	443	Rock Island	118,692	3,316	48	1,545
Gallatin	11,395	152	4	84	St. Clair	175,151	4,428	98	1,962
Greene	20,431	548	11	183	Saline	39,076	1,032	16	424
Grundy	18,720	397	3	171	Sangamon	122,521	3,435	65	1,611
Hamilton	13,149	247	3	126	Schuyler	11,330	128	1	113
Hancock	26,533	223	3	232	Scott	8,165	24	--	53
Hardin	7,698	161	10	71	Shelby	26,141	420	6	208
Henderson	8,953	22	--	35	Stark	8,863	9	1	50
Henry	44,747	1,110	23	489	Stephenson	41,643	1,320	23	528
Iroquois	32,450	592	11	284	Tazewell	60,324	1,016	29	434
Jackson	38,753	1,133	28	392	Union	21,582	480	8	478
Jasper	13,138	58	1	94	Vermilion	89,821	2,205	22	1,188
Jefferson	34,783	1,084	21	338	Wabash	13,960	185	2	107
Jersey	13,725	124	1	99	Warren	21,533	648	6	261
Jo Daviess	20,116	100	1	163	Washington	15,711	52	2	220
Johnson	10,513	137	3	112	Wayne	21,724	261	5	161
Kane	136,076	4,896	91	2,162	White	20,081	239	1	183
Kankakee	62,919	1,596	35	1,476	Whiteside	44,385	1,100	26	481
Kendall	11,097	3	--	59	Will	118,876	2,913	50	1,276
Knox	53,842	1,362	21	597	Williamson	53,044	1,247	32	591
Lake	126,774	3,742	65	1,334	Winnebago	126,755	3,768	67	1,359
					Woodford	19,178	37	1	143

\* Estimated population as of July 1, 1947.

TABLE II DEATHS IN ILLINOIS, 1947

(All occurrences within the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	92,362	5,541	6,363	740	1,722	7,465	28,826	47,239	7
SELECTED CAUSES OF DEATH	86,555	5,249	5,915	622	1,536	6,780	27,348	44,349	5
Diseases of infancy	4,423	4,217	4,306	27	26	32	28	4	--
Maternal causes	200	<del>xxx</del>	<del>xxx</del>	--	54	143	3	--	--
Communicable diseases, total	956	66	114	30	29	130	446	206	1
Diphtheria	12	--	4	3	3	1	1	--	--
Dysentery - all forms	22	6	13	--	--	1	5	3	--
Encephalitis	24	--	1	2	4	6	8	3	--
Measles	9	2	5	2	1	--	--	1	--
Meningitis	45	13	22	5	--	4	11	3	--
Poliomyelitis	26	2	7	10	6	3	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	676	8	9	1	9	90	398	168	1
Typhoid & paratyphoid fever	10	--	--	1	3	1	1	4	--
Whooping cough	41	31	40	1	--	--	--	--	--
Other communicable diseases	90	4	13	5	3	23	22	24	--
Acute respiratory diseases	3,279	534	668	45	36	279	860	1,391	--
Influenza	244	19	31	7	5	15	37	149	--
Pneumonia	3,035	515	637	38	31	264	823	1,242	--
Tuberculosis - all forms	2,770	12	42	26	277	893	1,078	454	--
Pulmonary tuberculosis	2,557	4	15	16	245	833	1,023	425	--
Accidents - all forms	5,783	146	348	288	629	1,065	1,459	1,993	1
Motor vehicle	1,900	8	58	121	378	447	526	370	--
Home	1,855	123	235	56	40	140	255	1,129	--
Occupational	662	<del>xxx</del>	<del>xxx</del>	2	56	235	285	84	--
Public	1,366	15	55	109	155	243	393	410	1
Cancer	13,441	6	40	52	75	1,022	5,767	6,485	--
Cerebral hemorrhage	7,419	10	28	11	15	225	2,028	5,112	--
Diabetes	2,735	1	5	10	25	104	1,001	1,590	--
Diseases of digestive system	3,915	230	302	54	72	507	1,610	1,370	--
Cirrhosis of the liver	1,158	6	9	3	--	183	616	347	--
Diarrhea and enteritis	226	151	178	2	4	8	11	23	--
Goiter	177	--	--	--	4	20	82	71	--
Heart disease	34,225	12	28	37	108	1,512	11,019	21,519	2
Coronary	8,412	2	2	--	11	433	3,622	4,344	--
Chronic rheumatic	1,624	--	3	20	52	289	591	669	--
Homicide	419	11	14	4	76	226	87	12	--
Nephritis	5,235	3	18	18	50	351	1,372	3,425	1
Prostatic disease	577	--	--	--	--	2	70	505	--
Rheumatic fever	47	1	2	15	7	16	5	2	--
Suicide	954	<del>xxx</del>	<del>xxx</del>	5	53	253	433	210	--
ALL OTHER CAUSES	5,730	291	444	116	177	657	1,459	2,875	2
CAUSE AS YET UNASSIGNED	77	1	4	2	9	28	19	15	--

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."



TABLE III DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	52,423	3,045	3,472	389	904	4,751	19,096	23,808	3
SELECTED CAUSES OF DEATH	49,702	2,884	3,228	329	803	4,365	18,251	22,723	3
Diseases of infancy	2,447	2,338	2,380	12	14	16	22	3	--
Maternal causes	100	xxx	xxx	--	23	76	1	--	--
Communicable diseases, total	419	27	46	15	16	55	221	66	--
Diphtheria	5	--	--	--	3	1	1	--	--
Dysentery - all forms	5	2	3	--	--	1	1	--	--
Encephalitis	10	--	--	1	1	4	4	--	--
Measles	4	2	4	--	--	--	--	--	--
Meningitis	37	7	16	4	--	3	11	3	--
Poliomyelitis	15	1	3	6	5	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	285	5	5	--	5	32	191	52	--
Typhoid & paratyphoid fever	2	--	--	--	1	--	--	1	--
Whooping cough	9	8	9	--	--	--	--	--	--
Other communicable diseases	47	2	6	4	1	13	13	10	--
Acute respiratory diseases	1,936	308	375	24	18	191	633	695	--
Influenza	53	5	9	5	2	4	14	19	--
Pneumonia	1,883	303	366	19	16	187	619	676	--
Tuberculosis - all forms	1,909	9	33	22	217	659	751	227	--
Pulmonary tuberculosis	1,752	3	11	12	189	613	712	215	--
Accidents - all forms	2,693	67	163	138	213	488	822	868	1
Motor vehicle	882	--	26	63	115	187	300	191	--
Home	849	61	116	29	23	86	151	444	--
Occupational	217	xxx	xxx	1	15	79	100	22	--
Public	745	6	21	45	60	136	271	211	1
Cancer	8,169	3	22	32	52	662	3,816	3,585	--
Cerebral hemorrhage	3,528	6	15	5	8	151	1,207	2,142	--
Diabetes	1,680	--	4	6	9	56	684	921	--
Diseases of digestive system	2,269	113	153	28	42	321	1,057	668	--
Cirrhosis of the liver	813	6	9	1	--	135	470	198	--
Diarrhea and enteritis	97	69	79	1	1	4	6	6	--
Goiter	111	--	--	--	2	14	55	40	--
Heart disease	20,523	3	13	25	76	1,122	7,724	11,561	2
Coronary	4,196	--	--	--	7	288	2,121	1,780	--
Chronic rheumatic	925	--	2	14	37	215	396	261	--
Homicide	312	9	11	3	54	171	63	10	--
Nephritis	2,808	--	12	6	30	247	901	1,612	--
Prostatic disease	288	--	--	--	--	1	48	239	--
Rheumatic fever	28	1	1	11	5	9	2	--	--
Suicide	482	xxx	xxx	2	24	126	244	86	--
ALL OTHER CAUSES	2,688	161	243	59	94	375	838	1,079	--
CAUSE AS YET UNASSIGNED	33	--	1	1	7	11	7	6	--

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.  
 Counties: Cook, DuPage, Kane, Lake, and Will.  
 (See masthead for map of State by Regions.)

TABLE IV DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	9,873	592	710	88	175	667	2,441	5,792	--
SELECTED CAUSES OF DEATH	9,183	571	666	69	157	567	2,294	5,430	--
Diseases of infancy	508	476	494	2	5	4	3	--	--
Maternal causes	21	<del>xxx</del>	<del>xxx</del>	--	4	17	--	--	--
Communicable diseases, total	164	12	17	5	4	23	74	41	--
Diphtheria	2	--	--	2	--	--	--	--	--
Dysentery - all forms	3	--	--	--	--	--	2	1	--
Encephalitis	4	--	--	1	2	1	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	5	5	5	--	--	--	--	--	--
Poliomyelitis	3	--	--	1	1	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	123	--	1	1	1	18	68	34	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	8	7	8	--	--	--	--	--	--
Other communicable diseases	16	--	3	--	--	3	4	6	--
Acute respiratory diseases	365	41	69	5	8	21	70	192	--
Influenza	36	1	4	1	1	2	7	21	--
Pneumonia	329	40	65	4	7	19	63	171	--
Tuberculosis - all forms	264	--	1	2	16	65	105	75	--
Pulmonary tuberculosis	245	--	1	2	16	62	95	69	--
Accidents - all forms	666	18	45	33	85	98	130	275	--
Motor vehicle	204	2	6	13	48	48	45	44	--
Home	239	13	21	6	5	13	32	162	--
Occupational	58	<del>xxx</del>	<del>xxx</del>	1	9	12	22	14	--
Public	165	3	18	13	23	25	31	55	--
Cancer	1,312	2	4	6	6	90	469	737	--
Cerebral hemorrhage	900	1	4	--	4	19	189	684	--
Diabetes	292	1	1	2	2	12	80	195	--
Diseases of digestive system	424	19	29	10	7	60	146	172	--
Cirrhosis of the liver	80	--	--	1	--	15	31	33	--
Diarrhea and enteritis	23	12	16	--	1	2	1	3	--
Goiter	17	--	--	--	--	1	7	9	--
Heart disease	3,559	1	2	2	7	93	852	2,603	--
Coronary	1,175	--	--	--	2	35	421	717	--
Chronic rheumatic	167	--	--	2	3	17	47	98	--
Homicide	10	--	--	--	--	6	3	1	--
Nephritis	501	--	--	2	5	27	112	355	--
Prostatic disease	70	--	--	--	--	--	7	63	--
Rheumatic fever	4	--	--	--	--	1	2	1	--
Suicide	106	<del>xxx</del>	<del>xxx</del>	--	4	30	45	27	--
ALL OTHER CAUSES	677	21	44	18	17	96	144	358	--
CAUSE AS YET UNASSIGNED	13	--	--	1	1	4	3	4	--

Northern Area (Region 2)--1940 population: Total 782,705; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kanakakee, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.



TABLE V DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, 1947.

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	2,479	145	166	14	48	182	653	1,416	--
SELECTED CAUSES OF DEATH	2,255	132	150	14	43	165	603	1,280	--
Diseases of infancy	115	109	111	2	1	--	1	--	--
Maternal causes	7	<del>xxx</del>	<del>xxx</del>	--	2	5	--	--	--
Communicable diseases, total	39	2	5	--	1	2	17	14	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	2	1	1	--	--	--	1	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	31	--	--	--	1	2	15	13	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	3	1	3	--	--	--	--	--	--
Other communicable diseases	2	--	1	--	--	--	--	1	--
Acute respiratory diseases	98	12	14	1	3	6	24	50	--
Influenza	7	1	1	--	1	1	--	4	--
Pneumonia	91	11	13	1	2	5	24	46	--
Tuberculosis - all forms	52	--	--	--	4	14	18	16	--
Pulmonary tuberculosis	50	--	--	--	4	13	18	15	--
Accidents - all forms	185	6	12	6	20	34	36	77	--
Motor vehicle	65	--	3	3	15	17	16	11	--
Home	79	3	6	--	3	5	11	54	--
Occupational	14	<del>xxx</del>	<del>xxx</del>	--	1	7	1	5	--
Public	27	3	3	3	1	5	8	7	--
Cancer	327	--	2	2	1	27	122	173	--
Cerebral hemorrhage	204	--	--	--	--	8	40	156	--
Diabetes	60	--	--	--	1	5	24	30	--
Diseases of digestive system	94	3	5	1	1	9	29	49	--
Cirrhosis of the liver	27	--	--	--	--	3	13	11	--
Diarrhea and enteritis	4	1	2	--	--	1	--	1	--
Goiter	5	--	--	--	--	1	2	2	--
Heart disease	818	--	--	1	3	32	237	545	--
Coronary	239	--	--	--	--	9	94	136	--
Chronic rheumatic	79	--	--	1	3	11	30	34	--
Homicide	11	--	--	--	3	6	2	--	--
Nephritis	192	--	1	1	2	11	38	139	--
Prostatic disease	25	--	--	--	--	--	3	22	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	23	<del>xxx</del>	<del>xxx</del>	--	1	5	10	7	--
ALL OTHER CAUSES	222	13	16	--	5	16	49	136	--
CAUSE AS YET UNASSIGNED	2	--	--	--	--	1	1	--	--

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.  
 Counties: Peoria and Tazewell.  
 (See maphead for map of State by Regions.)

TABLE VI DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	14,885	940	1,082	133	248	813	3,331	9,277	1
SELECTED CAUSES OF DEATH	13,784	885	1,000	115	222	737	3,100	8,609	1
Diseases of infancy	743	707	721	9	4	6	2	1	--
Maternal causes	29	xxx	xxx	--	9	20	--	--	--
Communicable diseases, total	169	8	18	4	5	19	71	52	--
Diphtheria	1	--	--	1	--	--	--	--	--
Dysentery - all forms	7	1	5	--	--	--	1	1	--
Encephalitis	4	--	--	--	--	--	1	3	--
Measles	3	--	1	1	1	--	--	--	--
Meningitis	2	1	1	--	--	1	--	--	--
Poliomyelitis	5	--	2	2	--	1	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	121	--	--	--	2	11	66	42	--
Typhoid & paratyphoid fever	6	--	--	--	1	1	1	3	--
Whooping cough	9	6	9	--	--	--	--	--	--
Other communicable diseases	10	--	--	--	1	4	2	3	--
Acute respiratory diseases	466	94	124	11	2	25	59	245	--
Influenza	65	5	9	1	--	3	5	47	--
Pneumonia	401	89	115	10	2	22	54	198	--
Tuberculosis - all forms	218	--	2	2	13	57	82	62	--
Pulmonary tuberculosis	200	--	--	2	11	52	78	57	--
Accidents - all forms	1,046	28	66	55	128	184	164	449	--
Motor vehicle	367	2	13	27	92	91	73	71	--
Home	380	24	48	9	2	16	28	277	--
Occupational	102	xxx	xxx	--	10	45	29	18	--
Public	197	2	5	19	24	32	34	83	--
Cancer	2,020	1	5	5	5	121	687	1,197	--
Cerebral hemorrhage	1,576	1	5	5	1	17	315	1,233	--
Diabetes	392	--	--	--	6	19	116	251	--
Diseases of digestive system	605	36	44	10	10	56	206	279	--
Cirrhosis of the liver	130	--	--	1	--	15	50	64	--
Diarrhea and enteritis	45	28	33	1	2	--	2	7	--
Goiter	26	--	--	--	1	1	11	13	--
Heart disease	5,154	7	11	6	11	119	1,131	3,876	--
Coronary	1,654	1	1	--	1	45	541	1,066	--
Chronic rheumatic	261	--	--	1	4	23	64	169	--
Homicide	30	1	2	--	7	15	6	--	--
Nephritis	1,021	2	2	4	7	32	173	802	1
Prostatic disease	107	--	--	--	--	--	4	103	--
Rheumatic fever	8	--	--	3	1	4	--	--	--
Suicide	174	xxx	xxx	1	12	42	73	46	--
ALL OTHER CAUSES	1,089	54	80	18	26	72	229	664	--
CAUSE AS YET UNASSIGNED	12	1	2	--	--	4	2	4	--

Central Area (Region 4)--1940 population. Total 1,531,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McHenry, Mason, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.



TABLE VII DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1947

(Does not include deaths of Illinois residents dying outside the state)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	3,583	264	290	24	79	290	998	1,901	1
SELECTED CAUSES OF DEATH	3,308	250	269	21	72	262	939	1,744	1
Diseases of infancy	198	191	194	--	--	4	--	--	--
Maternal causes	10	<del>xxx</del>	<del>xxx</del>	--	5	5	--	--	--
Communicable diseases, total	53	3	4	1	--	12	24	11	1
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	46	2	2	--	--	11	21	11	1
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	1	1	--	--	--	--	--
Other communicable diseases	3	--	--	--	--	1	2	--	--
Acute respiratory diseases	112	23	25	--	--	10	31	46	--
Influenza	20	2	2	--	--	1	5	12	--
Pneumonia	92	21	23	--	--	9	26	34	--
Tuberculosis - all forms	89	--	1	--	6	30	39	13	--
Pulmonary tuberculosis	86	--	1	--	6	29	39	11	--
Accidents - all forms	274	14	20	15	43	43	56	97	--
Motor vehicle	81	--	--	--	29	20	20	12	--
Home	107	13	19	4	1	7	13	63	--
Occupational	22	<del>xxx</del>	<del>xxx</del>	--	2	8	8	4	--
Public	64	1	1	11	11	8	15	18	--
Cancer	428	--	2	2	--	35	178	211	--
Cerebral hemorrhage	354	--	1	--	1	9	92	251	--
Diabetes	99	--	--	--	2	4	38	55	--
Diseases of digestive system	159	19	22	--	3	12	60	62	--
Cirrhosis of the liver	37	--	--	--	--	4	21	12	--
Diarrhea and enteritis	19	15	17	--	--	--	1	1	--
Goiter	8	--	--	--	--	--	5	3	--
Heart disease	1,226	--	--	1	3	52	340	830	--
Coronary	301	--	--	--	--	19	137	145	--
Chronic rheumatic	46	--	--	1	1	10	17	17	--
Homicide	24	--	--	1	5	15	2	1	--
Nephritis	199	--	--	1	1	13	47	137	--
Prostatic disease	15	--	--	--	--	--	2	13	--
Rheumatic fever	2	--	--	--	--	1	1	--	--
Suicide	58	<del>xxx</del>	<del>xxx</del>	--	3	17	24	14	--
ALL OTHER CAUSES	272	14	21	3	7	25	59	157	--
CAUSE AS YET UNASSIGNED	3	--	--	--	--	3	--	--	--

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073  
 Counties: Madison and St. Clair.  
 (See maphead for map of State by Regions.)

TABLE VIII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	7,404	482	547	67	165	514	1,681	4,428	2
SELECTED CAUSES OF DEATH	6,743	454	510	56	147	465	1,576	3,989	--
Diseases of infancy	340	333	336	1	2	1	--	--	--
Maternal causes	29	xxx	xxx	--	8	19	2	--	--
Communicable diseases, total	91	14	22	4	3	18	28	16	--
Diphtheria	2	--	2	--	--	--	--	--	--
Dysentery - all forms	5	2	4	--	--	--	--	1	--
Encephalitis	3	--	1	--	1	1	--	--	--
Measles	1	--	--	1	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--	--
Poliomyelitis	2	1	2	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	56	1	1	--	--	16	27	12	--
Typhoid & paratyphoid fever	2	--	--	1	1	--	--	--	--
Whooping cough	9	8	9	--	--	--	--	--	--
Other communicable diseases	10	2	3	1	1	1	1	3	--
Acute respiratory diseases	259	50	54	4	5	17	31	148	--
Influenza	61	4	5	--	1	3	6	46	--
Pneumonia	198	46	49	4	4	14	25	102	--
Tuberculosis - all forms	200	3	5	--	14	59	66	56	--
Pulmonary tuberculosis	190	1	2	--	13	57	64	54	--
Accidents - all forms	666	10	34	33	81	135	184	199	--
Motor vehicle	168	3	8	7	44	43	35	31	--
Home	173	7	21	8	5	7	16	116	--
Occupational	217	xxx	xxx	--	13	67	117	20	--
Public	108	--	5	18	19	18	16	32	--
Cancer	866	--	3	2	6	57	309	489	--
Cerebral hemorrhage	757	2	3	--	1	17	148	588	--
Diabetes	184	--	--	2	3	8	51	120	--
Diseases of digestive system	287	39	48	4	8	26	84	117	--
Cirrhosis of the liver	56	--	--	--	--	8	22	26	--
Diarrhea and enteritis	36	25	30	--	--	1	1	4	--
Goiter	9	--	--	--	1	2	2	4	--
Heart disease	2,444	1	1	2	4	65	544	1,828	--
Coronary	653	1	1	--	1	24	219	408	--
Chronic rheumatic	126	--	--	1	3	10	29	83	--
Homicide	15	1	1	--	2	6	6	--	--
Nephritis	454	1	2	1	4	13	86	348	--
Prostatic disease	53	--	--	--	--	1	4	48	--
Rheumatic fever	5	--	1	1	1	1	--	1	--
Suicide	84	xxx	xxx	2	4	20	31	27	--
ALL OTHER CAUSES	654	28	36	11	18	46	103	438	2
CAUSE AS YET UNASSIGNED	7	--	1	--	--	3	2	1	--

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

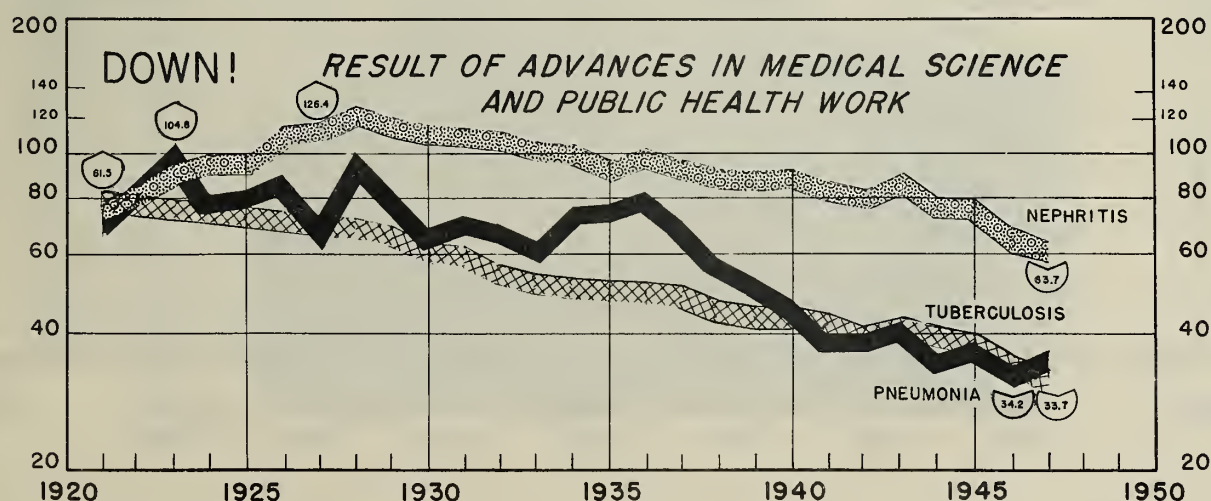
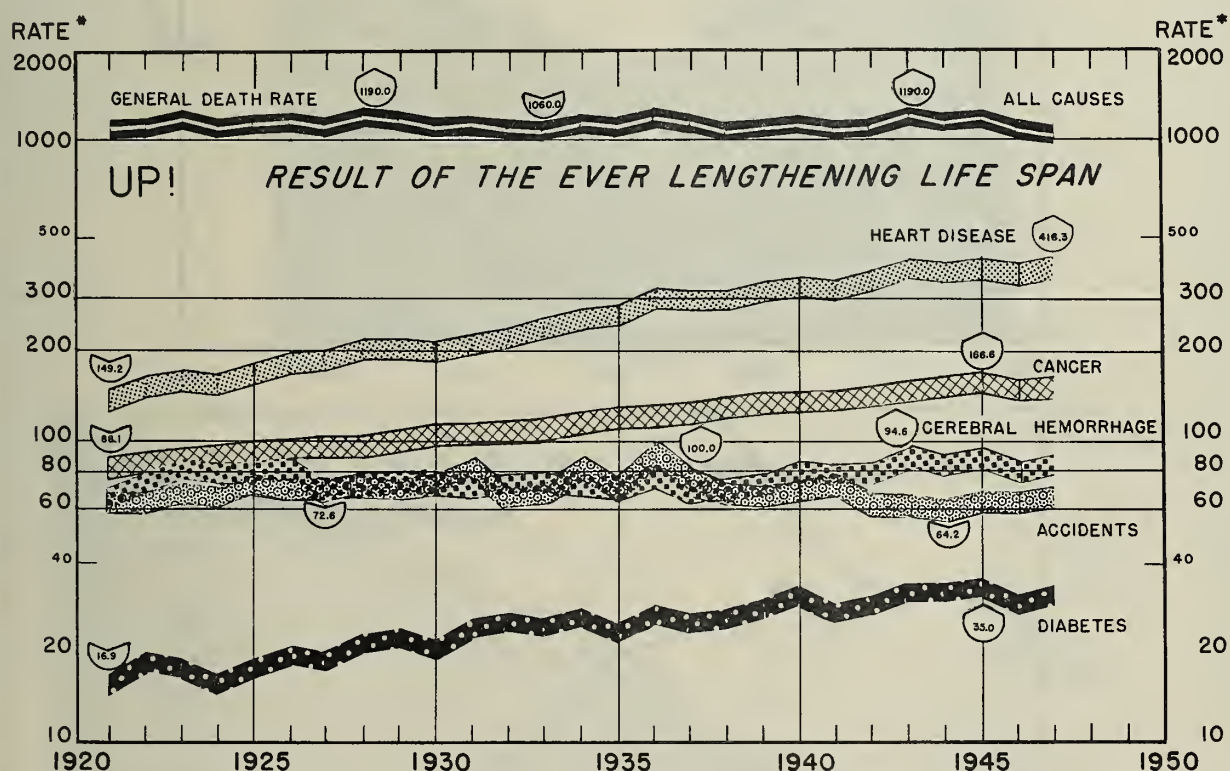
Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.



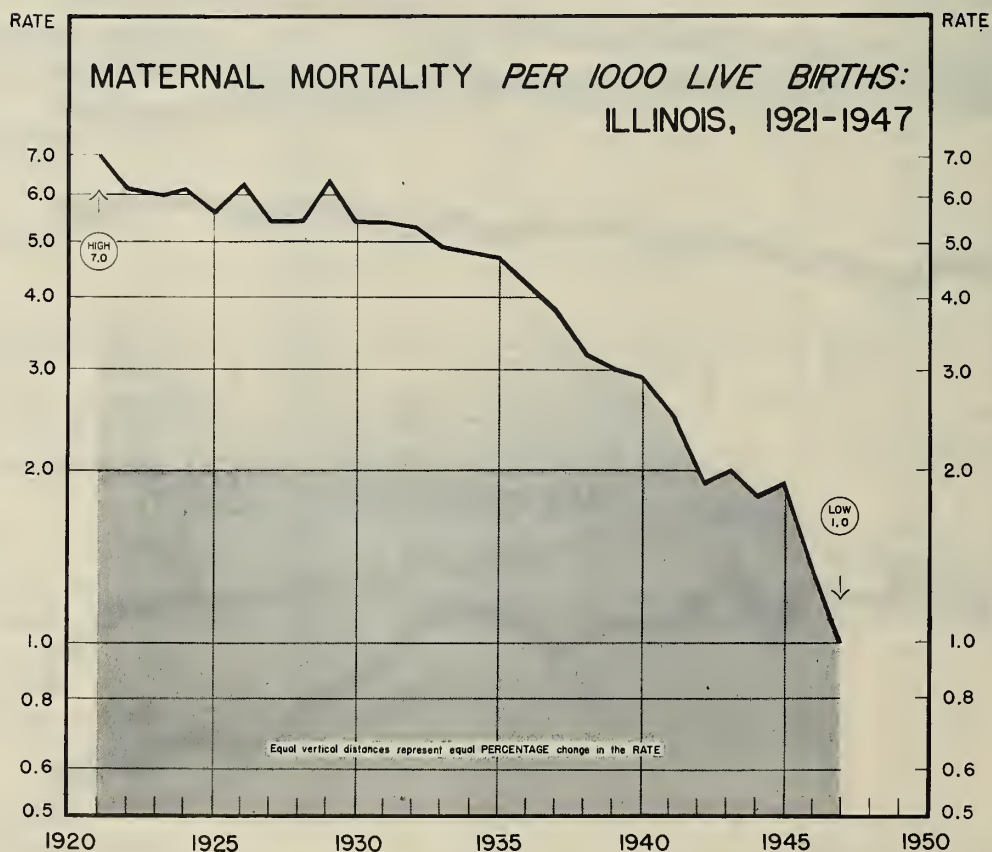
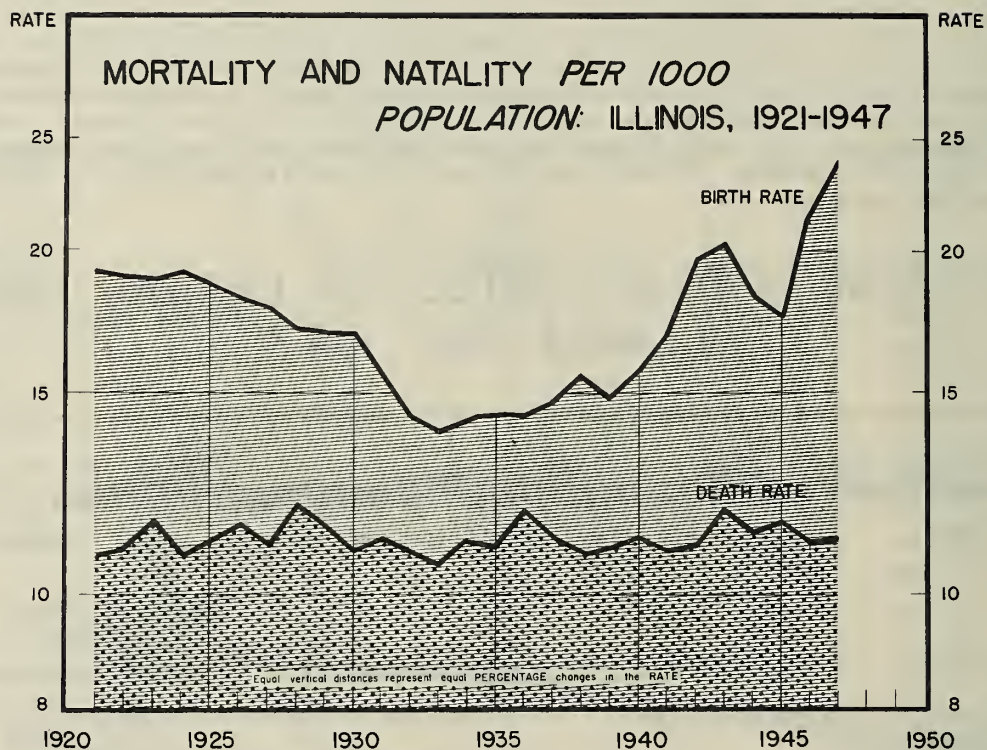
# HEALTH TRENDS IN ILLINOIS, 1921-1947

The charts and tables that follow review the principal vital statistics of the state over the period 1921 through 1947. The series begins with 1921 because it was the first year for which Illinois assembled comprehensive statistics on births and deaths. The birth and death figures represent all births and deaths that occurred within the state and were registered up to July 1 of the year following the occurrence. (Exception; the 1947 figures are provisional, based on reports received before March 15, 1948). The figures on communicable disease cases cover all reports of notifiable diseases within the state. Tuberculosis figures since 1942 are not quite comparable to those for prior years, because in 1942 and later only new cases are counted. In 1942 a central register was established for screening out subsequent reports of the same case.

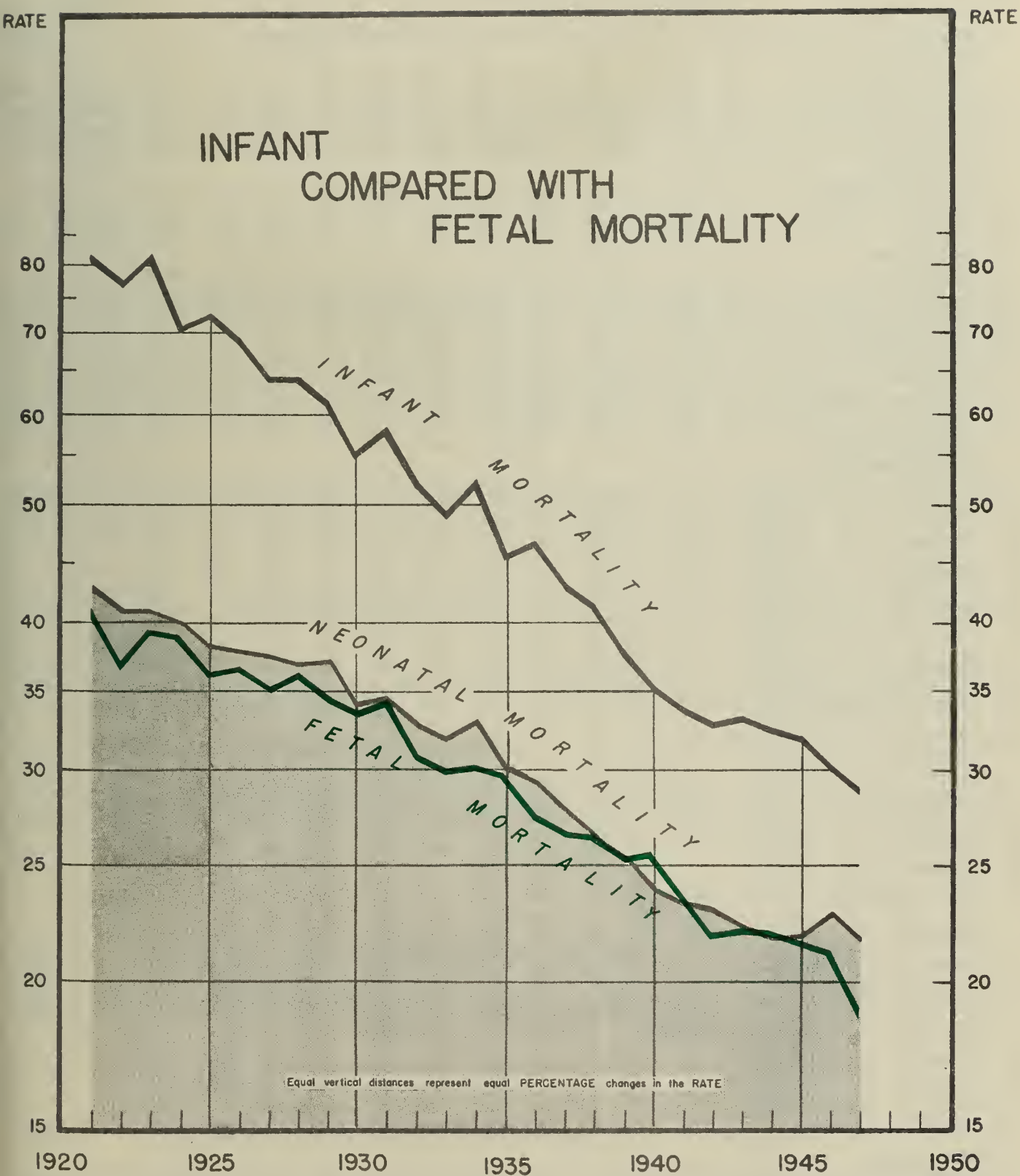
## THE TREND OF DEATH RATES FOR LEADING CAUSES ILLINOIS, 1921-1947



\*Deaths per 100,000 inhabitants of the state.







## SELECTED CAUSES OF DEATH OCCURRING IN ILLINOIS, 1921-1947

TABLE IX Number of Deaths and Reported Cases

(Deaths are those occurring within the state. Cases are those reported to Illinois health officers.)

CAUSE	International List Number 3rd revision 1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	International List Number 4th revision 1929	1930
ALL CAUSES		73,505	75,857	81,761	77,144	81,594	85,328	82,846	90,192	87,789		83,593
MATERNAL AND INFANT DEATHS												
Maternal causes*	143-150	923	795	793	833	762	848	717	694	818	140-150	693
Stillbirths		5375	4827	5167	5299	4894	4884	4701	4679	4459		4312
Neonatal deaths (Under 1 month)	All causes	**	**	**	**	5161	5045	4989	4761	4750	All causes	4357
Infant deaths (Under 1 year)	All causes	10,644	10,187	10,810	9,742	9,821	9,296	8,606	8,333	7,906	All causes	7,132
Premature birth	161a	2,645	2,662	2,808	2,687	2,551	2,512	2,444	2,494	2,494	159	2,254
Diarrhea and enteritis (Under 2 years)	113	3,100	2,241	2,369	1,878	2,134	1,693	1,377	1,239	886	119	966
EXTERNAL CAUSES												
Accidents - all forms†	†	4,639	4,711	5,110	5,031	5,607	5,383	5,636	5,842	5,708	†	5,965
Motor vehicle accidents‡	188c-e	893	1,021	978	1,011	1,160	1,248	1,534	1,760	1,698	206,208,210,211	2,285
Homicide	197-200	597	648	709	821	877	845	750	790	674	172-175	805
Suicide	165-174	974	895	886	1,012	958	1,059	1,122	1,228	1,087	163-171	1,382
GENERAL CAUSES												
Appendicitis	117	1,070	1,033	1,146	1,100	1,195	1,215	1,218	1,288	1,298	121	1,326
Arteriosclerosis	91b	1,036	1,054	1,122	1,192	1,356	1,389	1,517	1,463	1,309	97	1,177
Cancer	43-49	6,042	6,426	6,626	6,960	7,249	7,492	7,735	7,888	8,107	45-53	8,568
Cerebral hemorrhage	74,75,83	5,116	5,475	6,067	6,078	6,186	6,401	5,459	5,917	5,903	82	5,787
Cirrhosis of the liver	122	451	525	585	531	627	608	697	722	683	124	752
Diabetes mellitus	57	1,160	1,367	1,366	1,238	1,394	1,581	1,498	1,750	1,789	59	1,707
Goiter‡	60	257	231	234	280	372	433	546	554	573	66a-h	445
Heart disease	87-90	10,231	11,357	11,989	11,895	13,256	14,341	15,049	16,609	16,574	90-95	16,197
Hernia and intestinal obstruction	118	695	703	695	666	721	718	682	804	802	122	880
Nephritis	128-129	5,397	5,876	6,697	7,117	7,250	8,450	8,708	9,572	9,141	130-132	8,809
Prostatic disease	135	317	369	404	319	371	382	404	407	421	137	424
Stomach, duodenal ulcers	111	372	95	425	462	479	491	504	510	573	117	545
COMMUNICABLE DISEASES												
Chickenpox-----Deaths	25a	7	13	14	7	18	12	16	9	12	44a	10
Cases		13,639	13,442	11,514	13,865	11,195	13,698	12,757	13,684	13,855		13,348
Diphtheria-----Deaths	10	1,474	1,171	801	472	408	413	649	649	756	10	543
Cases		20,767	15,132	10,683	6,859	5,003	4,529	6,272	7,107	8,155		6,843
Dysentery-----Deaths	16,116e	66	19	28	25	27	51	25	42	49	13	78
Cases		1,400	1,321	1,803	1,184	990	617	433	289	235		447
Encephalitis-----Deaths	23	123	47	76	52	67	72	64	69	70	17	68
Cases		243	102	126	88	112	109	112	91	80		77
Influenza-----Deaths	11	595	1,682	2,586	1,033	1,596	2,017	1,068	2,703	2,606	11	946
Cases		2,576	15,899	7,366	1,302	2,981	4,566	1,828	10,915	7,683		1,239
Malaria-----Deaths	5	84	80	80	82	61	42	63	56	70	38	50
Cases		1,155	527	91	59	113	86	134	107	186		366
Measles-----Deaths	7	311	190	561	225	213	346	292	84	275	7	91
Cases		29,303	16,540	46,694	20,144	28,211	31,511	41,016	7,414	38,793		16,678
Meningitis (Meningococcus)-Deaths	24	75	51	63	46	56	58	130	225	306	18	208
Cases		226	181	128	81	106	114	296	456	578		445
Mumps-----Deaths	13	8	8	5	7	7	7	4	7	8	part of 44c	1
Cases		11,325	4,874	6,834	11,369	7,066	3,524	13,583	8,093	4,507		8,192
Paratyphoid-----Deaths	1b	7	1	5	6	6	2	2	2	2	2	--
Cases		89	48	29	29	24	22	16	63	32		28
Pneumonia, all forms-----Deaths	100-101	5,040	6,083	7,392	5,867	6,025	6,627	5,469	7,684	6,233	107-109	5,178
Cases		9,222	15,126	18,280	14,217	15,215	17,633	13,205	19,137	15,017		11,829
Poliomyelitis-----Deaths	22	149	51	46	25	41	26	103	33	16	16	61
Cases		671	126	220	257	264	127	480	106	82		402
Rheumatic fever (acute)---Deaths	51	252	201	312	304	95	229	185	162	189	56	162
Cases‡		**	**	**	**	**	**	**	**	**		**
Rocky Mt. Spotted fever---Deaths	part of 44c	**	**	**	**	**	**	**	**	**	part of 44c	**
Cases		**	**	**	**	**	**	**	**	**		**
Scarlet fever-----Deaths	8	390	296	225	206	268	233	172	160	304	8	306
Cases		19,025	12,261	9,481	11,702	15,688	14,243	11,787	12,355	17,298		17,352
Smallpox-----Deaths	6	26	23	2	16	22	8	3	5	18	6	7
Cases		8,536	2,117	929	1,356	1,624	1,073	1,236	1,652	4,249		3,780
Tuberculosis, all forms---Deaths	31-37	5,593	5,605	5,557	5,637	5,526	5,499	5,482	5,466	5,246	23-32	4,789
Cases		14,427	16,483	16,512	5,041	13,999	17,002	14,622	12,500	12,255		11,179
Tularemia-----Deaths	Not classified	**	**	**	**	**	**	**	**	**	part of 44c	**
Cases		**	**	**	**	**	**	**	**	**		**
Typhoid fever-----Deaths	1a	389	282	314	237	320	231	174	159	108	1	154
Cases		2,419	1,771	1,860	1,469	2,097	1,669	1,278	955	766		960
Undulant fever-----Deaths	4	2	--	--	--	--	--	--	--	2	5	6
Cases		**	**	**	**	**	**	**	**	**		63
Whooping cough-----Deaths	9	506	235	514	352	315	367	308	270	260	9	181
Cases		13,577	8,764	9,828	8,238	11,074	9,874	11,124	10,457	10,277		8,573
VENEREAL DISEASE												
Gonococcus infection-----Deaths	40	49	59	137	117	103	72	52	43	26	35	49
Cases		12,400	13,938	16,241	19,654	19,594	20,286	21,342	19,826	18,464		18,061
Syphilis-----Deaths††	38,72,76	1,146	1,198	1,136	1,092	1,170	1,198	1,049	1,070	1,075	80,83,34	1,060
Cases		7,542	10,549	9,967	10,549	11,213	12,577	13,415	12,699	13,091		12,988

\* Criminal abortion added to this group in the 1939 revision of the International List.

† Under the 1920 revision this group covers International List numbers 175-189, 192-196, and 201-203. Under the 1929 revision this group covers International List numbers 176-195 and 201-214. Deaths by Legal Execution was part of International List number 202 in the 1920 revision but has since been excluded from the accident group.

‡ Under the 1920 revision collisions between automobiles and trains or streetcars were allocated to Other Transport Accidents. Under the 1929 and 1939 revisions collisions between automobiles and trains or streetcars were allocated to Motor Vehicle Accidents.



## SELECTED CAUSES OF DEATH OCCURRING IN ILLINOIS, 1921-1947

TABLE IX Number of Deaths and Reported Cases

(Deaths are those occurring within the state. Cases are those reported to Illinois health officers.)

1931	1932	1933	1934	1935	1936	1937	1938	1939	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945*	1946*	1947††
85,791	83,183	82,456	87,205	85,525	92,811	87,740	84,768	86,993		88,233	85,552	86,707	90,714	87,144	89,204	88,429	92,362
639	588	527	532	525	475	436	390	349	140-150	359	331	292	309	254	251	230	200
4,082	3,459	3,225	3,343	3,330	3,122	3,078	3,230	3,003		3,162	3,197	3,389	3,389	3,049	2,927	3,645	3,627
4,075	3,647	3,408	3,628	3,381	3,311	3,211	3,238	3,007	All causes	2,961	3,146	3,548	3,409	3,023	2,958	3,916	4,169
6,965	5,882	5,294	5,826	5,138	5,245	4,966	5,017	4,464	All causes	4,331	4,564	5,075	5,070	4,496	4,300	5,181	5,541
1,994	1,756	1,537	1,807	1,664	1,521	1,505	1,522	1,431	159	1,510	1,515	1,792	1,683	1,310	1,361	1,954	1,959
851	546	494	651	341	514	357	430	245	119	199	259	234	260	191	204	181	158
6,686	5,495	5,730	6,920	5,894	7,841	6,360	5,749	5,615	169-195	5,845	6,097	5,202	4,985	4,899	5,214	5,537	5,783
2,367	2,109	2,177	2,575	2,334	2,524	2,628	2,193	2,255	170	2,315	2,566	1,650	1,283	1,317	1,547	1,825	1,900
801	749	836	759	545	501	495	418	413	165-168	343	363	352	293	312	358	474	419
1,412	1,426	1,322	1,323	1,244	1,170	1,242	1,268	1,169	163-164	1,154	1,043	937	812	755	846	937	954
1,343	1,169	1,229	1,185	1,031	1,027	1,037	933	908	121	824	708	538	509	501	399	352	308
1,047	975	1,024	1,331	1,320	1,426	1,229	1,246	1,323	97	1,364	1,278	1,286	1,512	1,525	1,624	1,528	1,431
8,699	9,039	9,184	9,636	10,033	10,289	10,332	10,746	11,194	45-55	11,310	11,590	11,815	12,142	12,482	12,865	12,909	13,441
5,734	5,987	6,042	5,915	5,776	6,312	5,737	5,872	6,183	83	6,744	6,594	6,736	7,186	6,759	7,235	7,057	7,419
741	743	725	753	738	907	900	837	842	124	862	844	908	884	866	895	981	1,158
1,986	2,079	2,044	2,183	1,979	2,293	2,132	2,173	2,358	61	2,632	2,283	2,448	2,558	2,605	2,700	2,543	2,735
466	455	388	379	372	386	323	333	337	63a-b	292	261	262	245	228	233	212	185
17,099	18,274	19,904	21,025	21,803	24,907	24,607	24,810	26,648	90-95	27,614	27,005	29,126	31,322	30,680	31,891	31,422	34,225
898	825	811	868	889	883	919	788	797	122	764	810	793	817	833	760	732	703
8,715	8,611	8,125	8,083	7,565	8,024	7,514	7,220	7,177	130-132	7,241	6,835	6,539	6,840	6,107	6,132	5,593	5,235
409	384	351	440	488	561	563	517	509	137	614	560	588	634	650	558	585	577
507	525	559	557	628	565	574	549	546	117	559	651	583	620	619	594	538	601
15	8	14	14	12	7	9	3	3	38e	3	6	6	3	6	8	6	3
12,670	14,269	15,972	16,034	16,200	14,409	16,136	15,520	15,698		18,053	16,167	13,618	12,648	16,498	10,510	11,717	14,272
383	240	134	153	208	170	153	120	118	10	86	58	63	78	23	15	31	12
5,413	3,811	1,695	2,092	2,663	1,784	1,671	1,634	1,446		936	940	815	587	315	194	469	173
81	66	74	111	59	89	145	69	67	27	47	35	54	29	34	28	22	22
69	241	420	576	187	264	553	408	321		202	256	453	152	204	324	236	326
47	55	102	81	35	35	36	31	19	37	24	25	24	28	33	42	22	24
63	100	230	297	123	74	109	111	67		71	110	71	83	78	68	57	59
1,673	1,900	1,200	838	1,225	1,140	1,331	439	967	33	645	510	373	630	521	342	242	244
3,561	3,908	2,179	1,168	2,034	2,065	3,597	727	6,445		1,124	1,402	608	2,096	1,439	1,018	345	1,125
61	39	62	60	71	55	38	35	35	28	18	8	15	9	4	8	28	6
561	130	253	322	378	221	207	263	423		199	127	92	122	23	6	37	11
339	51	52	210	286	9	25	207	3	35	14	88	36	53	85	10	52	9
39,207	16,069	12,357	44,679	58,103	1,228	12,432	88,150	1,269		8,669	57,075	10,060	29,694	19,451	7,930	25,995	8,341
257	153	208	119	207	175	95	21	13	6	14	17	27	151	186	134	75	45
490	322	557	337	554	436	226	91	76		50	69	90	793	996	611	363	205
2	3	2	8	4	6	4	1	5	44c	4	2	5	3	4	3	1	--
8,311	2,458	4,647	11,033	5,215	7,857	6,504	6,770	4,594		6,409	13,063	7,388	7,108	6,268	7,205	5,290	6,485
2	4	3	6	4	2	3	2	2	2	3	--	--	1	1	1	1	1
36	37	22	52	38	18	39	30	36		19	14	11	13	9	9	10	6
5,562	5,332	4,966	5,906	5,984	6,312	5,512	4,595	4,193	107-109	3,738	3,180	3,173	3,184	2,748	2,911	2,796	3,035
13,467	12,295	10,933	12,413	13,519	15,926	14,970	12,834	13,472		14,592	12,420	11,359	11,419	8,567	6,813	6,287	4,755
102	40	29	27	40	70	90	16	21	36	54	22	34	152	34	93	171	26
700	202	207	213	243	689	779	106	192		581	374	487	1,576	560	1,104	2,554	860
210	243	277	165	198	147	109	121	131	58	134	106	78	76	71	73	62	47
**	**	**	**	**	**	**	**	**		**	**	**	**	**	**	**	**
**	**	**	**	**	**	**	**	**	39c	4	4	2	2	1	--	4	3
**	**	**	1	1	6	6	21	19		18	19	25	12	13	18	41	31
360	263	277	306	407	233	160	136	74	8	67	42	33	22	28	27	10	1
16,775	14,876	16,604	21,403	34,727	22,451	21,525	18,245	15,060		20,814	11,583	7,754	6,989	11,731	10,521	6,397	4,063
4	2	3	--	1	2	--	1	--	6	--	--	--	--	--	--	--	--
1,766	318	248	88	83	422	919	965	376		167	102	60	68	12	12	6	2
4,799	4,291	4,174	4,124	4,075	4,050	3,995	3,686	3,608	13-22	3,654	3,474	3,249	3,240	3,125	3,119	2,958	2,770
10,423	10,466	9,193	9,734	9,911	8,506	9,064	8,222	7,752		8,574	9,412	9,415	8,740	7,967	6,305	6,587	7,772
**	**	**	**	**	**	**	**	**	26a	23	6	1	1	10	6	9	--
126	134	172	134	69	91	109	459	485		272	106	67	55	91	131	98	124
127	125	110	125	87	71	58	57	103	1	33	26	18	10	12	9	9	9
804	1,045	770	1,085	737	548	501	493	870		310	280	233	121	102	87	106	139
7	5	2	5	5	3	2	6	7	5	5	10	7	5	4	3	1	5
124	72	94	101	144	84	107	212	235		155	217	265	306	322	324	478	554
223	228	81	307	210	146	149	169	157	9	65	90	95	98	42	53	30	41
10,911	11,786	6,439	15,352	11,064	10,171	7,906	15,137	12,922		6,411	7,707	11,759	7,459	3,194	4,106	5,431	4,795
44	41	18	17	44	22	25	15	7	25	16	13	10	2	8	6	7	4
18,722	16,695	13,886	14,972	13,854	12,949	15,998	14,442	15,830		17,281	19,249	20,606	21,580	22,580	27,117	37,956	32,794
1,080	1,008	967	1,059	995	1,018	951	915	828	30	1,014	951	840	851	843	792	747	676
19,813	19,434	13,389	17,428	15,628	16,738	24,276	28,349	28,222		21,979	23,484	28,678	28,680	25,165	21,675	23,701	19,360

§ Other diseases of the thyroid glands allocated to International List number 60b in the 1920 revision. Under the 1929 and 1939 revisions other diseases of the thyroid glands allocated to International List numbers 66c,d,e and 63c,d and e respectively.

\* Amebiasis carriers included in the dysentery group for 1945 and 1946.

† The regulation requiring the reporting of cases of Rheumatic Fever in downstate Illinois only, went into effect July 1, 1943.

\*\* Not available.

†† Syphilitic aneurysm was allocated to diseases of the circulatory system in the 1920 and 1929 revisions of the International List. In the 1939 revision syphilitic aneurysm was allocated to International List number 30d.

††† Provisional figures.

## SELECTED CAUSES OF DEATH OCCURRING IN ILLINOIS, 1921-1947

TABLE X Mortality and Morbidity Rates

(Based on deaths occurring within the state and cases reported to Illinois health officers. The rate for Mortality all causes is per 1,000 population. Maternal and infant causes except Diarrhea and enteritis are per 1,000 live births. All other rates are per 1,000 population. Population estimated for each year as of July 1.)

CAUSE	International List Number 3rd revision 1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	International List Number 4th revision 1929	1930
ALL CAUSES		10.7	10.9	11.6	10.7	11.2	11.5	11.0	11.9	11.5		10.9
MATERNAL AND INFANT MORTALITY												
Maternal causes*	143-150	7.0	6.1	6.0	6.1	5.6	6.3	5.4	5.4	6.4	140-150	5.4
Stillbirths		40.9	36.8	39.2	38.6	36.1	36.4	35.2	36.1	34.7		33.7
Neonatal mortality (Under 1 month)	All causes	42.6	41.4	41.4	40.0	38.1	37.6	37.3	36.7	36.9	All causes	34.0
Infant mortality (Under 1 year)	All causes	81.1	77.6	81.9	71.0	72.5	69.3	64.4	64.3	61.5	All causes	55.8
Premature birth	161a	20.1	20.3	21.3	19.6	19.3	19.0	18.8	18.8	19.4	159	17.6
Diarrhea and enteritis (Under 2 years)	113	45.2	32.2	33.5	26.0	29.2	22.9	18.3	16.4	11.6	119	12.6
EXTERNAL CAUSES												
Accidents - all forms†	†	67.6	67.7	72.3	69.7	76.7	72.8	75.0	77.1	75.0	†	78.0
Motor vehicle accidents†	188c-e	13.0	14.7	13.8	14.0	15.9	16.9	20.4	23.2	22.3	206, 208, 210, 211	29.9
Homicide	197-200	8.7	9.3	10.0	11.4	12.0	11.4	10.0	10.4	8.9	172-175	10.5
Suicide	165-174	14.2	12.9	12.5	14.0	13.1	14.3	14.9	16.2	14.3	163-171	18.1
GENERAL CAUSES												
Appendicitis	117	15.6	14.8	16.2	15.2	16.4	16.4	16.2	17.0	17.1	121	17.3
Arteriosclerosis	91b	15.1	15.1	15.9	16.5	18.6	18.8	20.2	19.3	17.2	97	15.4
Cancer	43-49	88.1	92.4	93.8	96.5	99.2	101.3	102.9	104.1	106.6	45-53	112.1
Cerebral hemorrhage	74, 75, 83	74.6	78.7	85.8	84.2	84.7	86.6	72.6	78.1	77.6	82	75.7
Cirrhosis of the liver	122	6.6	7.5	8.3	7.4	8.6	8.2	9.3	9.5	9.0	124	9.8
Diabetes mellitus	57	16.9	19.6	19.3	17.2	19.1	21.4	19.9	23.1	23.5	59	22.3
Goiter‡	60	3.7	3.3	3.3	3.9	5.1	5.9	7.3	7.3	7.5	66a-b	5.8
Heart disease	87-90	149.2	163.2	169.6	164.9	181.4	193.9	200.1	219.2	217.9	90-95	211.9
Hernia and intestinal obstruction	118	10.1	10.1	9.8	9.2	9.9	9.7	9.1	10.6	10.5	122	11.5
Nephritis	128-129	78.7	84.4	94.8	98.6	99.2	114.3	115.8	126.4	120.2	130-132	115.2
Prostatic disease	135	4.6	5.3	5.7	4.4	5.1	5.2	5.4	5.4	5.5	137	5.5
Stomach, duodenal ulcers	111	5.4	5.7	6.0	6.4	6.6	6.6	6.7	6.7	7.5	117	7.1
COMMUNICABLE DISEASES												
Chickenpox-----Deaths	25a	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	44a	0.1
Cases		198.9	193.2	162.9	192.2	153.2	185.2	169.7	180.6	182.2		174.6
Diphtheria-----Deaths	10	21.5	16.8	11.3	6.5	5.6	5.6	8.6	8.6	9.9	10	7.1
Cases		302.8	217.5	151.2	95.1	68.5	61.2	83.4	93.8	107.2		89.5
Dysentery-----Deaths	16, 116e	1.0	0.3	0.4	0.3	0.4	0.7	0.3	0.6	0.6	13	1.0
Cases		20.4	19.0	25.5	16.4	13.6	8.3	5.8	3.8	3.1		5.8
Encephalitis-----Deaths	23	1.8	0.7	1.1	0.7	0.9	1.0	0.9	0.9	0.9	17	0.9
Cases		3.5	1.5	1.8	1.2	1.5	1.5	1.5	1.2	1.1		1.0
Influenza-----Deaths	11	8.7	24.2	36.6	14.3	21.8	27.3	14.2	35.7	34.3	11	12.4
Cases		37.6	228.5	104.2	18.0	40.8	61.7	24.3	144.1	101.0		16.2
Malaria-----Deaths	5	1.2	1.1	1.1	1.1	0.8	0.6	0.8	0.7	0.9	38	0.7
Cases		16.8	7.6	1.3	0.8	1.5	1.2	1.8	1.4	2.4		4.8
Measles-----Deaths	7	4.5	2.7	7.9	3.1	2.9	4.7	3.9	1.1	3.6	7	1.2
Cases		427.3	237.7	660.7	279.2	386.2	426.1	545.5	97.9	510.0		218.2
Meningitis (Meningococcus) -Deaths	24	1.1	0.7	0.9	0.6	0.8	0.8	1.7	3.0	4.0	18	2.7
Cases		3.3	2.6	1.8	1.1	1.5	1.5	3.9	6.0	7.6		5.8
Mumps-----Deaths	13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	part of 44c	0.0
Cases		165.1	70.0	96.7	157.6	96.7	47.7	180.6	106.8	59.3		107.2
Paratyphoid-----Deaths	1b	0.1	0.0	0.1	0.1	0.1	-0-	0.0	0.0	0.0	2	-0-
Cases		1.3	0.7	0.4	0.4	0.3	0.3	0.2	0.8	0.4		0.4
Pneumonia, all forms-----Deaths	100-101	73.5	87.4	104.6	81.3	82.5	89.6	72.7	101.4	81.9	107-109	67.7
Cases		134.5	217.4	258.6	197.0	208.3	238.5	175.6	252.6	197.4		154.7
Poliomyelitis-----Deaths	22	2.2	0.7	0.7	0.3	0.6	0.4	1.4	0.4	0.2	16	0.8
Cases		9.8	1.8	3.1	3.6	3.6	1.7	6.4	1.4	1.1		5.3
Rheumatic fever (acute)---Deaths	51	3.7	2.9	4.4	4.2	2.7	3.1	2.5	2.1	2.5	56	2.1
Cases‡		**	**	**	**	**	**	**	**	**		**
Rocky Mt. Spotted fever---Deaths	part of 44c	**	**	**	**	**	**	**	**	**	part of 44c	**
Cases		**	**	**	**	**	**	**	**	**		**
Scarlet fever-----Deaths	8	5.7	4.3	3.2	2.9	3.7	3.2	2.3	2.1	4.0	8	4.0
Cases		277.4	176.2	134.1	162.2	214.7	192.6	156.8	163.1	227.4		227.0
Smallpox-----Deaths	6	0.4	0.3	0.0	0.2	0.3	0.1	0.0	0.1	0.2	6	0.1
Cases		124.5	30.4	13.1	18.8	22.2	14.5	16.4	21.8	55.9		49.4
Tuberculosis all forms-----Deaths	31-37	81.5	80.6	78.6	78.1	75.6	74.4	72.9	72.2	69.0	23-32	62.6
Cases		210.4	236.9	233.6	208.5	191.6	229.9	194.5	165.0	161.1		146.2
Tularemia-----Deaths	Not classified	**	**	**	**	**	**	**	**	**	part of 44c	**
Cases		**	**	**	**	**	**	**	0.1	0.5		1.8
Typhoid fever-----Deaths	1a	5.7	4.1	4.4	3.3	4.4	3.1	2.3	2.1	1.4	1	2.0
Cases		35.3	25.5	26.3	20.4	28.7	22.6	17.0	12.6	10.1		12.6
Undulant fever-----Deaths	4	0.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	0.0	5	0.1
Cases		**	**	**	**	**	**	**	0.0	0.5		0.8
Whooping cough-----Deaths	9	7.4	3.4	7.3	4.9	4.3	5.0	4.1	3.6	3.4	9	2.4
Cases		198.0	126.0	139.1	114.2	151.6	133.5	147.9	138.0	135.1		112.1
VENEREAL DISEASE												
Gonococcus infection-----Deaths	40	0.7	0.8	1.9	1.6	1.4	1.0	0.7	0.6	0.3	35	0.6
Cases		180.8	200.3	229.8	272.4	268.2	274.3	283.8	261.7	242.8		236.3
Syphilis-----Deaths††	38, 72, 76	16.7	17.2	16.1	15.1	16.0	16.2	14.0	14.1	14.1	80, 83, 34	13.9
Cases		110.0	151.6	141.0	146.2	153.5	170.1	178.4	167.6	172.1		169.9

\* Criminal abortion added to this group in the 1939 revision of the International List.

† Under the 1920 revision this group covers International List numbers 175-189, 192-196, and 201-203. Under the 1929 revision this group covers International List numbers 176-195 and 201-214. Deaths by Legal Execution was part of International List number 202 in the 1920 revision but has since been excluded from the accident group.

‡ Under the 1920 revision collisions between automobiles and trains or streetcars were allocated to Other Transport Accidents. Under the 1929 and 1939 revisions collisions between automobiles and trains or streetcars were allocated to Motor Vehicle Accidents.



## SELECTED CAUSES OF DEATH OCCURRING IN ILLINOIS, 1921-1947

TABLE X Mortality and Morbidity Rates

(Based on deaths occurring within the state and cases reported to Illinois health officers. The rate for Mortality all causes is per 1,000 population. Maternal and infant causes except Diarrhea and enteritis are per 1,000 live births. All other rates are per 1,000 population. Population estimated for each year as of July 1.)

1931	1932	1933	1934	1935	1936	1937	1938	1939	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945#	1946#	1947††	
11.2	10.8	10.6	11.2	11.0	11.8	11.2	10.8	11.0		11.2	10.8	11.0	11.9	11.4	11.6	11.0	11.2	
5.4	5.3	4.9	4.8	4.7	4.2	3.8	3.2	3.0	140-150	2.9	2.5	1.9	2.0	1.8	1.9	1.3	1.0	
34.4	31.0	30.2	30.3	29.8	27.8	26.7	26.5	25.5		25.7	23.8	22.0	22.2	22.0	21.7	21.3	18.9	
34.3	32.7	31.9	32.9	30.2	29.5	27.9	26.6	25.5	All causes	24.0	23.4	23.0	22.3	21.8	21.9	22.9	21.7	
58.6	52.7	49.5	52.9	45.9	46.8	43.1	41.2	37.9	All causes	35.2	33.9	32.9	33.2	32.4	31.8	30.2	28.8	
16.8	15.7	14.4	16.4	14.9	13.6	13.1	12.5	12.1	159	12.3	11.3	11.6	11.0	9.4	10.1	11.4	10.2	
11.1	7.1	6.4	8.4	4.4	6.6	4.5	5.5	3.1	119	2.5	3.3	3.0	3.4	2.5	2.6	2.3	1.9	
87.0	71.0	73.8	89.0	75.6	100.0	80.9	73.1	71.2	169-195	73.9	76.8	65.8	65.7	64.2	67.5	69.0	70.3	
30.8	27.3	28.0	33.1	29.9	32.2	33.4	27.9	28.6	170	29.3	32.3	20.9	16.9	17.3	20.0	22.7	23.1	
10.4	9.7	10.8	9.8	7.0	6.4	6.3	5.3	5.2	165-168	4.3	4.6	4.5	3.9	4.1	4.6	5.9	5.1	
18.4	18.4	17.0	17.0	16.0	14.9	15.8	16.1	14.8	163-164	14.6	13.1	11.9	10.7	9.9	11.0	11.7	11.6	
17.5	15.1	15.8	15.2	13.2	13.1	13.2	11.9	11.5	121	10.4	8.9	6.8	6.7	6.6	5.2	4.4	3.7	
13.6	12.6	13.2	17.1	16.9	18.2	15.6	15.8	16.8	97	17.3	16.1	16.3	19.9	20.0	21.0	19.0	17.4	
113.2	116.8	118.2	124.0	128.7	131.2	131.5	136.6	141.9	45-55	143.0	145.9	149.5	159.9	163.6	166.6	160.8	163.5	
74.6	77.4	77.8	76.1	74.1	80.5	73.0	74.7	78.4	83	85.3	83.0	85.2	94.6	88.6	93.7	87.9	90.2	
9.6	9.6	9.3	9.7	9.5	11.6	11.5	10.6	10.7	124	10.9	10.6	11.5	11.6	11.3	11.6	12.2	14.1	
25.8	26.9	26.3	28.1	25.4	29.2	27.1	27.6	29.9	61	33.3	28.7	31.0	33.7	34.1	35.0	31.7	33.3	
6.1	5.9	5.0	4.9	4.8	4.9	4.1	4.2	4.3	63a-b	3.7	3.3	3.3	3.2	3.0	3.0	2.6	2.3	
222.4	236.2	256.2	270.5	279.6	317.7	313.2	315.4	337.7	90-95	349.3	340.0	368.5	412.5	402.1	413.0	391.4	416.3	
11.7	10.7	10.4	11.2	11.4	11.3	11.7	10.0	10.1	122	9.7	10.2	10.0	10.8	10.9	9.8	9.1	8.6	
113.4	111.3	104.6	104.0	97.0	102.3	95.6	91.8	91.0	130-132	91.6	86.0	82.7	90.1	80.0	79.4	69.7	63.7	
5.3	5.0	4.5	5.7	6.3	7.2	7.2	6.6	6.5	137	7.8	7.0	7.4	8.3	8.5	7.2	7.3	7.0	
6.6	6.8	7.2	7.2	8.1	7.2	7.3	7.0	6.9	117	7.1	8.2	7.4	8.2	8.1	7.7	6.7	7.3	
0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.0	38e	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	
164.8	184.4	205.6	206.3	207.8	183.8	205.4	197.3	199.0		228.3	203.5	172.3	166.6	216.2	136.1	145.9	173.6	
5.0	3.1	1.7	2.0	2.7	2.2	1.9	1.5	1.5	10	1.1	0.7	0.8	1.0	0.3	0.2	0.4	0.1	
70.4	49.3	21.8	26.9	34.2	22.8	21.3	20.8	18.3		11.8	11.8	10.3	7.7	4.1	2.5	5.8	2.1	
1.1	0.9	1.0	1.4	0.8	1.1	1.8	0.9	0.8	27	0.6	0.4	0.7	0.4	0.4	4.2	0.3	0.3	
0.9	3.1	5.4	7.4	2.4	3.4	7.0	5.2	4.1		2.6	3.2	5.7	2.0	2.7	0.4	2.9	4.0	
0.6	0.7	1.3	1.0	0.4	0.4	0.5	0.4	0.2	37	0.3	0.3	0.3	0.4	0.4	0.5	0.3	0.3	
0.8	1.3	3.0	3.8	1.6	0.9	1.4	1.4	0.8		0.9	1.4	0.9	1.1	1.0	0.9	0.7	0.7	
21.8	24.6	15.4	10.8	15.7	14.5	16.9	5.6	12.3	33	8.2	6.4	4.7	8.3	6.8	4.4	3.0	3.0	
46.3	50.5	28.1	15.0	26.1	26.3	45.8	9.2	81.7		14.2	17.6	7.7	27.6	18.9	13.2	4.3	13.7	
0.8	0.5	0.8	0.8	0.9	0.7	0.5	0.4	0.4	28	0.2	0.1	0.2	0.1	0.1	0.1	0.3	0.1	
7.3	1.7	3.3	4.1	4.8	2.8	2.6	3.3	5.4		2.5	1.6	1.2	1.6	0.3	0.1	0.5	0.1	
4.4	0.7	0.7	2.7	3.7	0.1	0.3	2.6	0.0	35	0.2	1.1	0.5	0.7	1.1	0.1	0.6	0.1	
510.0	207.7	159.1	574.8	745.2	15.7	158.2	1120.7	16.1		109.6	718.5	127.3	391.1	254.9	102.7	323.8	101.5	
3.3	2.0	2.7	1.5	2.7	2.2	1.2	0.3	0.2	6	0.2	0.2	0.3	2.0	2.4	1.7	0.9	0.5	
6.4	4.2	7.2	4.3	7.1	5.6	2.9	1.2	1.0		0.6	0.9	1.1	10.4	13.1	7.9	4.5	2.5	
0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	44c	0.1	0.0	0.1	0.0	0.1	0.0	0.0	-0-	
108.1	31.8	59.8	142.0	66.9	100.2	82.8	86.1	58.2		81.1	164.4	93.5	93.6	82.1	93.3	65.9	78.9	
0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	2	0.0	0.0	-0-	0.0	0.0	0.0	0.0	0.0	
0.5	0.5	0.3	0.7	0.5	0.2	0.5	0.4	0.5		0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	
72.4	68.9	63.9	76.0	76.7	80.5	70.2	58.4	53.1	107-109	47.3	40.0	40.1	41.9	36.0	37.7	34.8	36.9	
175.2	158.9	140.7	159.7	173.4	203.1	190.5	163.2	170.7		184.6	156.4	143.7	150.4	112.3	88.2	78.3	57.8	
1.3	0.5	0.4	0.3	0.5	0.9	1.1	0.2	0.3	36	0.7	0.3	0.4	2.0	0.4	1.2	2.1	0.3	
9.1	2.6	2.7	2.7	3.1	8.8	9.9	1.3	2.4		7.3	4.7	6.2	20.8	7.3	14.3	31.8	10.5	
2.7	3.1	3.6	2.1	2.5	1.9	1.4	1.5	1.7	58	1.7	1.3	1.0	1.0	0.9	0.9	0.8	0.6	
**	**	**	**	**	**	**	**	**		**	**	**	**	**	5.2	3.6	4.0	2.3
**	**	**	**	**	**	**	**	**	39c	0.1	0.1	0.0	0.0	0.0	-0-	0.0	0.0	
**	**	**	0.0	0.0	0.1	0.1	0.3	0.2		0.2	0.2	0.3	0.2	0.2	0.2	0.5	0.4	
4.7	3.4	3.6	3.9	5.2	3.0	2.0	1.7	0.9	8	0.8	0.5	0.4	0.3	0.4	0.3	0.1	0.0	
218.2	192.2	213.8	275.4	445.4	286.3	274.0	232.0	190.9		263.3	145.8	98.1	92.0	153.7	136.3	79.7	49.4	
0.1	0.0	0.0	-0-	0.0	0.0	-0-	0.0	-0-	6	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	
23.0	4.1	3.2	1.1	1.1	5.4	11.7	12.3	4.8		2.1	1.3	0.8	0.9	0.2	0.2	0.1	0.0	
62.4	55.5	53.7	53.1	52.3	51.7	50.8	46.9	45.7	13-22	46.2	43.7	41.1	42.7	41.0	40.4	36.8	33.7	
135.6	135.3	118.3	125.2	127.1	108.5	115.4	104.5	98.2		108.4	118.5	119.1	115.1	104.4	81.7	82.0	94.5	
**	**	**	**	**	**	**	**	**	26a	0.3	0.1	0.0	0.0	0.1	0.1	0.1	-0-	
1.6	1.7	2.2	1.7	0.9	1.2	1.4	5.8	6.1		3.4	1.3	0.8	0.7	1.2	1.7	1.2	1.5	
1.7	1.6	1.4	1.6	1.1	0.9	0.7	0.7	1.3	1	0.4	0.3	0.2	0.1	0.2	0.1	0.1	0.1	
10.5	13.5	9.9	14.0	9.5	7.0	6.4	6.3	11.0		3.9	3.5	2.9	1.6	1.3	1.1	1.3	1.7	
0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	5	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	
1.6	0.9	1.2	1.3	1.8	1.1	1.4	2.7	3.0		2.0	2.7	3.4	4.0	4.2	4.2	6.0	6.7	
2.9	2.9	1.0	3.9	2.7	1.9	1.9	2.1	2.0	9	0.8	1.1	1.2	1.3	0.6	0.7	0.4	0.5	
141.9	152.3	82.9	197.5	141.9	129.7	100.6	192.4	163.8		81.1	97.0	148.8	98.2	41.9	53.2	67.6	58.3	
0.6	0.5	0.2	0.2	0.6	0.3	0.3	0.2	0.1	25	0.2	0.2	0.1	0.0	0.1	0.1	0.1	0.0	
243.5	215.8	178.8	192.6	177.7	165.2	203.6	183.6	200.6		218.6	242.3	260.7	284.2	295.9	351.2	472.8	389.9	
14.0	13.0	12.4	13.6	12.8	13.0	12.1	11.6	10.5	30	12.8	12.0	10.6	11.2	11.0	10.3	9.3	8.2	
257.7	251.2	172.4	224.2	200.4	213.5	309.0	360.4	357.7		278.0	295.6	362.8	371.7	329.8	280.7	295.2	235.5	

§ Other diseases of the thyroid glands allocated to International List number 60b in the 1920 revision. Under the 1929 and 1939 revisions other diseases of the thyroid glands allocated to International List numbers 66c,d,e and 63c,d and e respectively.

# Amebiasis carriers included in the dysentery group for 1945 and 1946.

† The regulation requiring the reporting of cases of Rheumatic Fever in downstate Illinois only, went into effect July 1, 1943.

\*\* Not available.

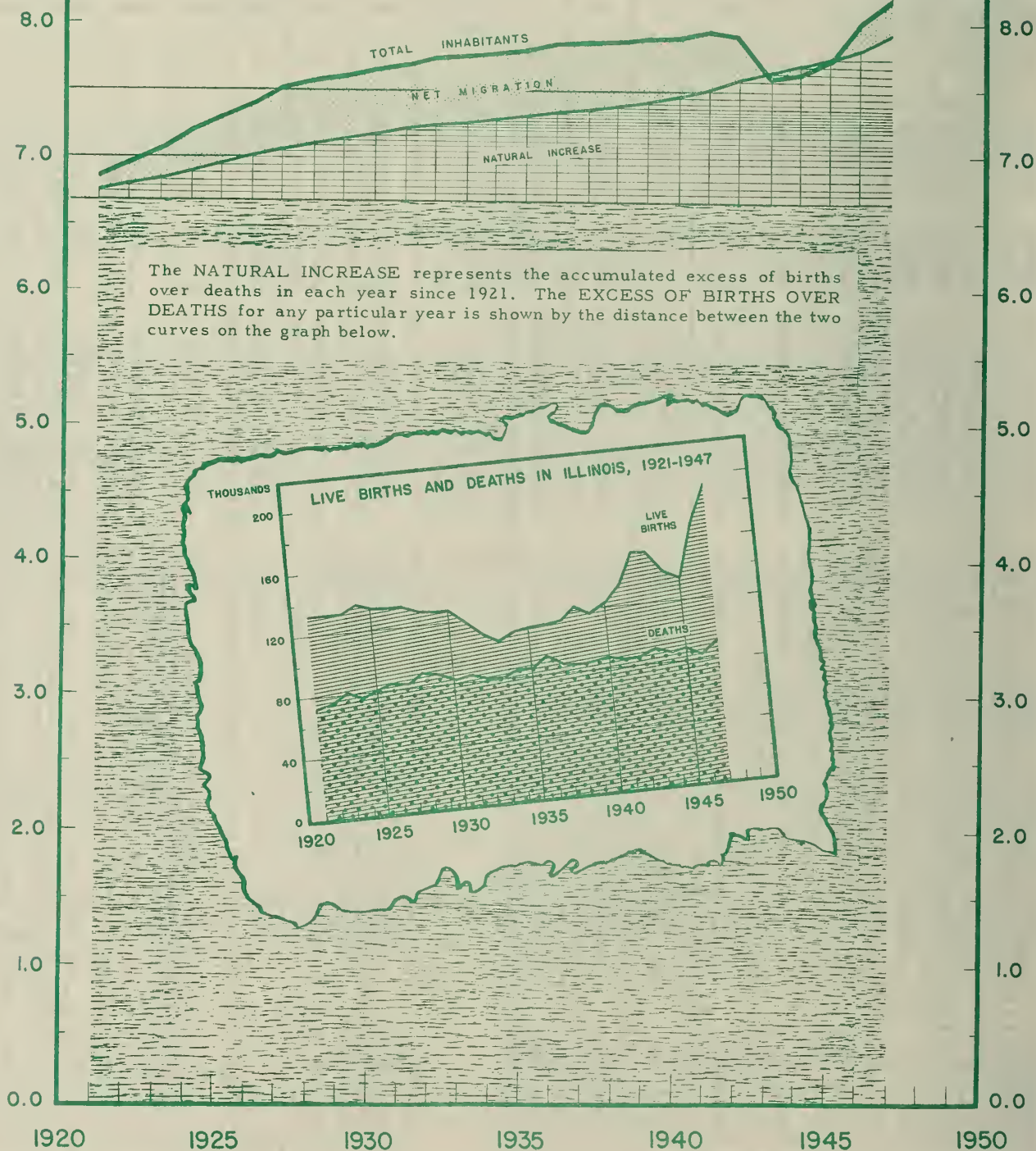
†† Syphilitic aneurysm was allocated to diseases of the circulatory system in the 1920 and 1929 revisions of the International List. In the 1939 revision syphilitic aneurysm was allocated to International List number 30d.

††† Provisional figures.

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## ILLINOIS' POPULATION, 1920-1947

**HEALTH STATISTICS BULLETIN**

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## FEWER BABIES AND FEWER DEATHS IN FIRST QUARTER 1948

### GENERAL MORTALITY IS LOWER

Mortality in the first three months of 1948 was unusually low. There were only 11.5 deaths among every 1,000 inhabitants of the state. The diminution in mortality from 1947 levels is largely accounted for by the circumstance that pneumonia and influenza were somewhat less prevalent during the winter while the toll from heart disease also diminished.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST THREE MONTHS

	1948	1947
LIVE BIRTHS per 1,000 population	20.9	23.2
DEATHS per 1,000 population	11.5	12.3

Note: Rates are expressed as their ANNUAL equivalents, based on estimates of Illinois' population as follows: February 15, 1948—8,280,458; February 15, 1947—8,148,795.

### BIRTHS BELOW 1947 LEVELS

Births in Illinois continued to recede from the high levels established in the boom that began late in 1946. There were 43,176 live births recorded during the first quarter of 1948 for a rate of 20.9 per 1,000 population. This is 10 per cent below the rate of 23.2 for the first three months of 1947. The present birth rate, however, is still well above those of years prior to 1947 as may be seen by comparing the present birth rate of 20.9 with the rate of 15.5 for the first three months of 1946. It is now believed that birth rates will continue to fall until they become stabilized at the levels prevailing in the early 1940's.

### DEATH RATE FOR NEWBORN AT NEW LOW

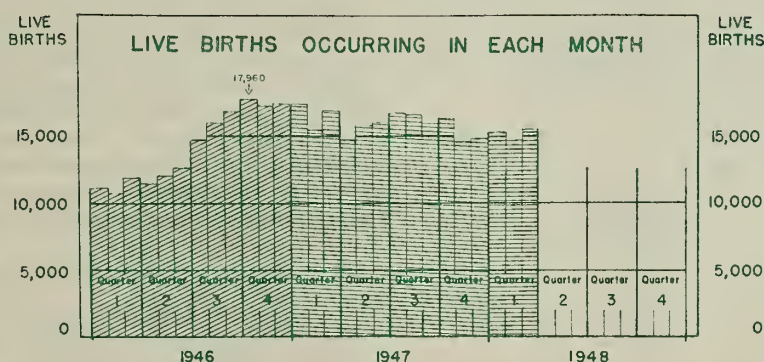
There were fewer than 18 stillbirths per thousand live births during the first quarter of 1948, a new all time low. The mortality among babies less

than one month old and the death rate from premature birth also reached new all-time lows during the period.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST THREE MONTHS

	Per 1,000 live births	
	1948	1947
FETAL MORTALITY (Stillbirths)	17.6	19.4
NEONATAL MORTALITY (under 1 month)	19.2	22.9
INFANT MORTALITY (under 1 year)	28.9	33.1
Premature birth	9.5	10.4
MATERNAL MORTALITY	1.1	1.2

An examination of the regional distribution of deaths among infants shows that this progress was not uniform throughout the state. Neonatal mortality (under 1 month) was highest among residents of the Southern Region (Region 6) where 21 newborn infants died out of each one thousand babies born alive. The lowest neonatal death rate was among residents of the Peoria Metropolitan Area (Region 3) where only 14 infants under one month of age died for every thousand babies born alive. The principal cause of early death among babies is prematurity. For the



state as a whole 9.5 babies under one year of age died from prematurity out of every thousand live born. The highest rate, 10.1 per thousand live births, was found in the Chicago Metropolitan Area which includes the counties of Cook, DuPage, Kane, Lake, and Will. The lowest rate, 7.1 per thousand live births, was found in the Peoria Metropolitan Area which includes the counties of Peoria and Tazewell.

Although the maternal death rate for the state



has remained near the low of 10 per ten thousand live births established in 1947, some portions of the state had relatively high rates in the first three months of 1948. Seventeen mothers of the Central Area (Region 4) died for every 10 thousand babies born alive. Mortality among mothers of new born babies in the Central Area was over four times as heavy as for mothers in the Northern Area (Region 2) of the state.

The maternal death rates for each region are:

Region of residence	Deaths per 1,000 live births
1	1.0
2	0.4
3	1.4
4	1.7
5	1.1
6	0.6

#### C.D. MORTALITY MUCH LOWER IN 1948

Almost all of the reduction in the number of deaths from the communicable diseases in the first quarter of 1948 as compared to the same period last year is accounted for by lower tuberculosis mortality and the absence of any major outbreak of upper respiratory diseases.

The 32.9 tuberculosis deaths per 100,000 population in the period is 3.8 per cent below the rate for the first quarter of 1947. All age groups except the very young and the very old shared in this savings of lives. There were 16 deaths from tuberculosis among children under five years of age in the period as compared to 8 deaths in the first quarter of 1947, and there were 135 deaths among persons 65 years of age or over in the first three months of 1948 as compared to 104 deaths in the same period of 1947.

The Chicago Metropolitan Area (Cook, Du Page, Kane, Lake, and Will counties) and the East St. Louis Metropolitan Area (Madison and St. Clair counties) had more than their share of the tuberculosis deaths in the state. There were more than twice as many tuberculosis deaths among the residents of these two regions as among the residents of the Peoria Metropolitan Area (Region 3) or of the Central Area (Region 4).

The tuberculosis death rates for each region in the state are as follows:

Region of residence	Deaths per 100 thousand inhabitants
1	38.8
2	33.5
3	18.0
4	17.0
5	38.4
6	21.7

Note: Rates are expressed as their annual equivalents.

The absence of any major outbreak of influenza and pneumonia in the early months of 1948 held the death toll from upper respiratory diseases at 30 per cent below the level of the two preceding years. The saving of lives was shared by persons at all stages of life, from the very young to the aged.

There were no deaths from scarlet fever and there was some reduction in the number of deaths from diphtheria and from whooping cough in the current period. There was only one death from diphtheria as compared to four deaths in the same period of 1947 and thirteen deaths in the corresponding period of 1946. Although the seven 1948 deaths from whooping cough represents a decided improvement over the fourteen deaths recorded in the first three months of 1947, it is only one less than the eight deaths from this cause during the first quarter of 1946.

The current measles epidemic was responsible for 58 deaths during the first quarter of 1948. As in previous epidemics of this disease, most of the deaths occurred among the very young. Sixty per cent of the measles deaths were at ages less than five years.

Deaths from chickenpox, usually an infrequent cause of death, were somewhat higher during the period. There were three deaths from this cause in the first quarter of 1948 as compared to one death in the corresponding period of 1947.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST THREE MONTHS

Cause	Deaths per 100 thousand inhabitants	
	1948	1947
1. HEART DISEASE	445.6	470.0
2. CANCER	159.4	161.1
3. CEREBRAL HEMORRHAGE*	91.9	99.6
4. NEPHRITIS	65.2	72.4
5. ALL ACCIDENTS	59.6	67.4
6. INFLUENZA AND PNEUMONIA	41.8	61.3
7. DIABETES	34.9	37.1
8. TUBERCULOSIS	32.9	34.2
9. PREMATURE BIRTH	19.9	24.0
10. ARTERIOSCLEROSIS	16.3	20.4

\*Intracranial lesions of vascular origin  
Note: Rates are expressed as their annual equivalents.

#### CANCER DEATH RATE LOWER

The rise in cancer deaths during the first quarter of 1948 did not keep pace with the increase in population. Thus, while there were more cancer deaths in the period, the cancer death rate dropped to 159.4 per 100,000 population, a drop of 1.1 per cent. This arises from the fact that the many babies born during the recent boom in births have made a substantial increase in population at the age where cancer is uncommon.

#### NO REAL DECREASE IN HEART MORTALITY

The 1948 heart disease mortality appears very favorable as compared to 1947. This is more apparent than real because:

- 1) a large natural increase in population has depressed all rates at the higher age levels; and
- 2) there were unusually many deaths from heart disease during the first three months of 1947, the period against which the comparison is made.

There is no reason to believe that the threat of fatal heart disease is any greater or any less than



it has been in recent years.

The mortality rates for fatal motor vehicle and home accidents were somewhat below the corresponding rates for the first three months of 1947. The death rate for fatal occupational accidents this year is actually somewhat higher if we discount the March, 1947 mine catastrophe that claimed 111 lives. The greatest hazards to life are the innumerable small accidents of every kind that occur everyday of the year. A tornado on March 19, 1948 caused 36 deaths and made a substantial increase in the deaths from accidents classified as "public." Nevertheless, even when we exclude this dramatic disaster we find that fatal public accidents are 13 per cent above those of last year.

#### A REVIEW OF POLIOMYELITIS IN ILLINOIS

In a little over a quarter of a century there have been six major epidemics of poliomyelitis in Illinois. The epidemic years were 1921, 1927, 1931, 1943, 1945, and 1946--the latest epidemic being the worst. There may be some difference of opinion as to what should be considered an epidemic year, because there is disagreement as to what yardstick should be used to define an epidemic of polio. However, in this discussion we are considering it an epidemic year when the crude death rate for polio exceeded one per 100,000 inhabitants.

Using one per 100,000 as a criterion, pointedly calls attention to the fact that polio need not be feared as a cause of death. Meningococcal meningitis, about which the general public is quite complacent, has exacted a far greater death toll. Furthermore polio as a killer cannot begin to compare with the common communicable diseases of childhood, such as diphtheria, measles, scarlet fever, and whooping cough. The dramatic element in polio and its fearful consequence is the crippling of its victims. It has been estimated that 20 per cent of all orthopedic handicaps at ages under 21 can be attributed to polio. Even at that, only a very small proportion of the population suffers paralytic poliomyelitis.

The proportion of people attacked by polio is reflected in the case report rates. However, case rates are misleading as they stand, because of the year-after-year increased recognition of the disease. This is particularly more apparent in recent years when we find so many reports of "preparalytic" polio that had little if any recognition in earlier years. The trend is shown by the fact that the proportion of deaths among reported cases has fallen off rapidly. In 1921, over 22 per cent of the reported cases died, whereas in 1947, only 3 per cent of the reported cases resulted in death. This marked change in the picture we have of polio

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST THREE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
ALL ACCIDENTS	1,390	1,442	67.2	70.8
Motor vehicle	416	427	20.2	21.0
Home accidents	537	538	25.9	26.4
Occupational	125	227	6.0	11.1
Public accidents	312	250	15.1	12.3

Note: Rates are expressed as their annual equivalents. The figures in this table have been adjusted to include coroner's cases received after the completion of the detailed tables in this report.

\* \* \*

is too great to be ascribed to a broader attack by the disease accompanied by less fatality. In fact, the view is now advanced that "subclinical" polio might even be as common as measles; but only a relatively small proportion of the subclinical cases advance far enough to be recognized as polio, a still smaller number progressing far enough to cause paralysis, and a yet smaller number terminating in death. The official statistics on polio are not detailed enough or precise enough to either prove or disprove the existence of such widespread minimal poliomyelitis. But what evidence there is in official statistics tends to confirm rather than to deny that view.

The reported cases and deaths from polio since 1921 are pictured on the back page. To provide a base for comparison there has been plotted a so-called "expected number of cases (and deaths)." This "expected" number is obtained by taking the average rate over the entire period from 1921 to 1947 and applying it against the population in the given year. This device reflects the gradual rise in reported cases, which, as already stated, is largely attributable to increased recognition of the disease. Another factor that affects the true as well as the apparent incidence of the disease is the changing age composition of the population.

Table E shows the shift in the age composition of fatal poliomyelitis from 1927 to 1946. The principal point illustrated is the decline in the proportion of deaths among children under five years of age and the increase in the proportion of deaths among adults. In the 1927 polio epidemic 36 per cent of the deaths were among children under five years of age. In the 1946 epidemic this proportion dropped to 14 per cent. Deaths among persons over twenty years of age was responsible for 15 per cent of all polio deaths in the 1927 polio epidemic. In the 1946 epidemic the ratio was 32 per cent.

TABLE E - AGE SELECTION OF POLIO DEATHS IN CERTAIN EPIDEMIC YEARS

YEAR	TOTAL	PERCENT OF DEATHS AT EACH STAGE OF LIFE						
		0-4 yrs.	5-9 yrs.	10-14 yrs.	15-19 yrs.	20-29 yrs.	30-39 yrs.	40 & over
1927	100.0	35.9	23.3	19.4	6.8	11.7	1.9	1.0
1931	100.0	28.5	20.6	22.5	13.7	9.8	2.9	2.0
1937	100.0	23.3	16.7	20.0	17.8	10.0	5.5	6.7
1943	100.0	9.9	29.6	30.3	13.2	10.5	3.9	2.6
1945	100.0	11.8	26.9	23.6	9.7	9.7	9.7	8.6
1946	100.0	14.0	21.1	18.7	14.6	17.0	8.8	5.8

TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,  
FIRST THREE MONTHS, 1948  
(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,280,458	43,276	761	23,724	La Salle	101,735	563	12	278
Chicago	3,609,003	17,583	356	9,992	Lawrence	21,416	37	2	40
Downstate	4,671,455	25,693	405	13,732	Lee	35,506	207	2	121
					Livingston	39,496	183	1	133
Adams	67,643	402	5	230	Logan	30,238	151	2	134
Alexander	26,516	192	5	96	McDonough	27,513	198	3	84
Bond	14,678	3	--	16	McHenry	38,265	192	2	105
Boone	15,547	121	1	69	McLean	76,379	490	10	228
Brown	8,031	10	--	21	Macon	88,698	699	12	256
Bureau	38,435	187	2	114	Macoupin	47,722	88	3	115
Calhoun	8,080	7	--	14	Madison	156,997	943	13	445
Carroll	18,308	95	--	53	Marion	49,483	291	3	129
Cass	16,831	102	3	49	Marshall	13,359	2	--	17
Champaign	73,130	649	8	203	Mason	15,637	6	--	26
Christian	39,637	195	2	118	Massac	15,273	49	2	46
Clark	18,925	13	--	48	Menard	10,780	9	--	17
Clay	19,122	28	--	25	Mercer	17,883	4	--	33
Clinton	23,381	106	3	54	Monroe	12,837	2	--	22
Coles	39,806	267	4	127	Montgomery	35,329	231	2	141
Cook	4,314,907	21,679	408	12,250	Morgan	37,543	214	1	200
Crawford	21,669	119	2	65	Moultrie	13,588	9	1	29
Cumberland	11,605	7	1	16	Ogle	30,351	89	2	56
De Kalb	35,332	272	5	109	Peoria	161,589	1,242	18	525
De Witt	18,632	68	2	43	Perry	24,097	126	3	60
Douglas	17,898	98	2	41	Piatt	14,844	43	--	33
Du Page	109,107	477	7	247	Pike	25,494	116	2	65
Edgar	24,871	115	2	67	Pope	7,869	16	--	9
Edwards	9,068	14	--	19	Pulaski	16,175	22	--	29
Effingham	22,340	252	4	77	Putnam	5,359	--	--	3
Fayette	29,280	131	4	67	Randolph	34,604	155	1	76
Ford	15,198	74	1	32	Richland	17,398	112	3	63
Franklin	55,297	156	2	129	Rock Island	119,550	809	13	392
Fulton	45,729	238	3	125	St. Clair	176,418	1,062	21	526
Gallatin	11,477	34	--	19	Saline	39,359	245	6	128
Greene	20,579	98	--	38	Sangamon	123,407	840	18	414
Grundy	18,855	92	2	39	Schuyler	11,412	25	1	30
Hamilton	13,244	62	1	24	Scott	8,224	4	--	9
Hancock	26,725	43	--	56	Shelby	26,330	82	2	69
Hardin	7,754	28	1	15	Stark	8,927	--	--	10
Henderson	9,018	6	--	8	Stephenson	41,944	311	6	158
Henry	45,071	262	4	145	Tazewell	60,760	259	4	119
Iroquois	32,685	156	3	75	Union	21,738	92	2	113
Jackson	39,033	235	2	116	Vermillion	90,471	510	9	296
Jasper	13,233	8	--	18	Wabash	14,061	26	1	50
Jefferson	35,035	230	5	80	Warren	21,689	148	3	68
Jersey	13,824	13	1	25	Washington	15,825	7	1	32
Jo Daviess	20,262	11	--	54	Wayne	21,881	50	1	42
Johnson	10,589	17	1	21	White	20,226	51	1	41
Kane	137,060	1,155	15	552	Whiteside	44,706	275	4	101
Kankakee	63,374	352	5	423	Will	119,736	688	8	331
Kendall	11,177	1	--	17	Williamson	53,428	255	3	148
Knox	54,231	328	5	145	Winnebago	127,672	874	16	357
Lake	127,691	958	20	344	Woodford	19,317	8	--	34

\*Estimated population as of February 15, 1948.



TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST THREE MONTHS, 1948

(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	23,724	829	1,252	1,501	203	377	1,819	7,214	12,604	5,137
SELECTED CAUSES OF DEATH	22,347	808	1,157	1,363	152	313	1,592	6,815	12,107	4,813
Diseases of infancy, total	951	764	894	917	12	6	7	9	--	75
Premature birth	412	400	412	412	xxx	xxx	xxx	xxx	xxx	21
Maternal causes, total	49	xxx	xxx	xxx	--	15	32	2	xxx	5
Puerperal septicemia	13	xxx	xxx	xxx	--	2	11	--	xxx	2
Puerperal toxemia	5	xxx	xxx	xxx	--	--	5	--	xxx	--
Communicable diseases, total	1,836	32	175	276	46	63	321	572	558	539
Acute respiratory diseases, total	865	30	149	197	15	2	74	213	364	180
Influenza	63	--	10	18	--	--	7	9	29	16
Pneumonia	802	30	139	179	15	2	67	204	335	164
Diphtheria	1	--	--	1	--	--	--	--	--	1
Dysentery—all forms	4	--	1	1	--	--	1	--	2	1
Encephalitis—infectious	7	--	2	2	1	--	--	2	2	2
Measles	58	--	5	35	17	2	4	--	--	9
Meningitis—meningococcus	21	--	4	10	3	1	2	3	2	2
Pertussis (whooping cough)	7	--	4	7	--	--	--	--	--	2
Poliomyelitis	1	--	--	--	--	--	1	--	--	--
Rheumatic fever	9	--	--	--	3	2	2	2	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	160	2	3	3	--	1	25	84	47	73
Tuberculosis—all forms	682	--	5	16	6	53	207	265	135	260
Pulmonary tuberculosis	616	--	1	3	4	47	186	248	128	253
Other communicable diseases	21	--	2	4	1	2	5	3	6	8
Accidents—all forms, total	1,234	3	23	61	51	110	200	281	530	261
Motor vehicle	345	--	--	7	18	63	88	100	69	94
Home	500	3	22	47	19	11	32	73	317	89
Occupational	108	xxx	xxx	xxx	--	10	40	44	14	36
Public	281	--	1	7	14	26	40	64	130	42
Arteriosclerosis	338	xxx	xxx	xxx	--	--	--	21	317	158
Cancer	3,300	--	--	8	7	19	267	1,378	1,621	584
Diabetes	722	--	1	2	5	6	24	254	430	130
Diseases of digestive system, total	982	7	57	79	15	11	129	385	363	121
Appendicitis	67	--	--	3	7	3	12	21	21	2
Cirrhosis of the liver	281	1	5	6	1	1	51	127	95	45
Diarrhea and enteritis	73	5	40	50	--	2	9	5	7	13
Hernia and intestinal obstruction	181	--	7	10	2	1	10	69	89	15
Ulcers of stomach or duodenum	177	--	--	--	1	1	23	81	71	19
Goiter—exophthalmic	46	--	--	--	--	3	6	21	16	8
Heart disease, total	9,225	--	2	8	12	30	398	2,897	5,878	2,056
Coronary	2,193	--	--	--	2	4	97	925	1,165	557
Chronic rheumatic	441	--	--	--	8	13	72	186	162	87
Homicide	78	2	3	3	--	15	42	14	4	9
Intracranial lesions of vascular origin	1,903	--	2	5	1	8	47	512	1,329	495
Nephritis	1,349	--	--	4	3	18	64	356	904	296
Prostatic disease	135	--	--	--	--	--	--	20	115	15
Suicide	199	xxx	xxx	xxx	--	9	55	93	42	61
ALL OTHER KNOWN CAUSES	1,053	17	82	121	39	37	159	298	398	250
CAUSE AS YET UNASSIGNED	324	4	13	17	12	27	68	101	99	74

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	13,407	487	696	807	94	203	1,168	4,798	6,336	965
SELECTED CAUSES OF DEATH	12,710	474	647	734	70	172	1,027	4,552	6,155	918
Diseases of infancy, total	542	443	511	521	6	4	6	5	--	41
Premature birth	258	249	258	258	xxx	xxx	xxx	xxx	xxx	21
Maternal causes, total	24	xxx	xxx	xxx	--	10	12	2	xxx	1
Puerperal septicemia	5	xxx	xxx	xxx	--	1	4	--	xxx	--
Puerperal toxemia	3	xxx	xxx	xxx	--	--	3	--	xxx	--
Communicable diseases, total	1,083	26	94	137	27	46	220	390	263	71
Acute respiratory diseases, total	491	25	83	108	10	1	58	149	165	38
Influenza	13	--	1	6	--	--	2	2	3	2
Pneumonia	478	25	82	102	10	1	56	147	162	36
Diphtheria	1	--	--	1	--	--	--	--	--	1
Dysentery—all forms	2	--	1	1	--	--	--	--	1	1
Encephalitis—infectious	4	--	1	1	--	--	--	2	1	--
Measles	11	--	--	6	5	--	--	--	--	--
Meningitis—meningococcus	15	--	3	6	3	1	2	2	1	1
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	--
Poliomyelitis	1	--	--	--	--	--	1	--	--	--
Rheumatic fever	7	--	--	--	3	2	1	1	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	72	1	1	1	--	--	12	36	23	14
Tuberculosis—all forms	467	--	4	11	5	41	142	198	70	16
Pulmonary tuberculosis	423	--	1	2	3	36	129	187	66	13
Other communicable diseases	11	--	--	1	1	1	4	2	2	--
Accidents—all forms, total	570	2	11	26	18	38	76	150	262	48
Motor vehicle	133	--	--	1	5	18	28	50	31	11
Home	235	2	11	23	8	7	16	42	139	25
Occupational	41	xxx	xxx	xxx	--	4	10	20	7	5
Public	161	--	--	2	5	9	22	38	85	7
Arteriosclerosis	110	xxx	xxx	xxx	--	--	--	10	100	24
Cancer	1,985	--	--	5	3	11	171	911	884	101
Diabetes	411	--	1	2	2	4	8	172	223	27
Diseases of digestive system, total	576	2	27	33	7	6	94	252	184	30
Appendicitis	37	--	--	2	3	1	9	10	12	2
Cirrhosis of the liver	185	--	4	5	1	--	43	90	46	7
Diarrhea and enteritis	29	1	16	18	--	1	5	3	2	3
Hernia and intestinal obstruction	94	--	4	5	1	1	6	42	39	7
Ulcers of stomach or duodenum	121	--	--	--	1	1	13	58	48	5
Goiter—exophthalmic	32	--	--	--	--	3	3	17	9	2
Heart disease, total	5,479	--	--	1	6	16	298	2,010	3,148	448
Coronary	1,048	--	--	--	--	1	54	519	474	84
Chronic rheumatic	269	--	--	--	6	8	56	128	71	13
Homicide	55	1	2	2	--	15	29	8	1	--
Intracranial lesions of vascular origin	914	--	1	3	--	5	24	321	561	66
Nephritis	747	--	--	4	1	11	50	242	439	45
Prostatic disease	72	--	--	--	--	--	--	14	58	4
Suicide	110	xxx	xxx	xxx	--	3	36	48	23	10
ALL OTHER KNOWN CAUSES	522	10	45	68	17	16	97	178	145	35
CAUSE AS YET UNASSIGNED	175	3	4	5	7	15	44	68	36	12

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.

Counties: Cook, Du Page, Kane, Lake and Will.

(See masthead for map of state by Regions.)



TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,576	77	124	154	32	46	165	619	1,559	1,225
SELECTED CAUSES OF DEATH	2,423	74	115	140	23	38	141	584	1,496	1,147
Diseases of infancy, total	97	71	89	94	2	1	--	--	--	47
Premature birth	36	36	36	36	xxx	xxx	xxx	xxx	xxx	13
Maternal causes, total	2	xxx	xxx	xxx	--	--	2	--	xxx	2
Puerperal septicemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	225	3	17	27	3	5	34	66	90	139
Acute respiratory diseases, total	112	2	13	18	--	1	4	27	62	62
Influenza	10	--	1	2	--	--	3	2	3	3
Pneumonia	102	2	12	16	--	1	1	25	59	59
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	2	--	--	--	--	--	1	--	1	1
Encephalitis—infectious	2	--	1	1	1	--	--	--	--	1
Measles	5	--	1	2	1	1	1	--	--	2
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	--	--	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	31	1	1	1	--	--	6	20	4	23
Tuberculosis—all forms	68	--	--	2	1	3	21	18	23	47
Pulmonary tuberculosis	64	--	--	1	1	3	20	17	22	47
Other communicable diseases	1	--	--	1	--	--	--	--	--	1
Accidents—all forms, total	146	--	7	10	8	16	21	23	67	64
Motor vehicle	48	--	--	--	4	11	10	10	13	22
Home	71	--	7	10	2	2	4	8	44	30
Occupational	10	xxx	xxx	xxx	--	1	6	2	1	5
Public	17	--	--	--	2	2	1	3	9	7
Arteriosclerosis	46	xxx	xxx	xxx	--	--	--	3	43	24
Cancer	339	--	--	2	3	3	23	103	205	132
Diabetes	78	--	--	--	--	1	3	18	56	38
Diseases of digestive system, total	90	--	1	5	4	2	6	35	38	45
Appendicitis	9	--	--	--	2	2	--	2	3	2
Cirrhosis of the liver	19	--	--	--	--	--	--	12	7	13
Diarrhea and enteritis	8	--	1	4	--	--	2	1	1	6
Hernia and intestinal obstruction	14	--	--	--	--	--	1	4	9	9
Ulcers of stomach or duodenum	14	--	--	--	--	--	2	5	7	2
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	--
Heart disease, total	986	--	--	--	2	3	37	243	701	482
Coronary	309	--	--	--	--	--	17	108	184	120
Chronic rheumatic	40	--	--	--	1	2	6	11	20	19
Homicide	4	--	--	--	--	--	2	1	1	2
Intracranial lesions of vascular origin	254	--	1	2	1	2	5	47	197	93
Nephritis	113	--	--	--	--	2	3	25	83	61
Prostatic disease	13	--	--	--	--	--	--	1	12	5
Suicide	28	xxx	xxx	xxx	--	3	5	18	2	13
ALL OTHER KNOWN CAUSES	125	3	8	12	7	7	21	28	50	66
CAUSE AS YET UNASSIGNED	28	--	1	2	2	1	3	7	13	12

Northern Area (Region 2)—1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	618	20	30	34	2	13	36	167	366	263
SELECTED CAUSES OF DEATH	583	20	27	30	2	11	33	158	349	248
Diseases of infancy, total	25	19	22	23	--	--	--	2	--	13
Premature birth	11	10	11	11	xxx	xxx	xxx	xxx	xxx	7
Maternal causes, total	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Puerperal septicemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	47	--	2	4	--	1	7	14	21	30
Acute respiratory diseases, total	29	--	2	3	--	--	2	7	17	21
Influenza	1	--	1	1	--	--	--	--	--	1
Pneumonia	28	--	1	2	--	--	2	7	17	20
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	--	1	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	7	--	--	--	--	--	2	3	2	5
Tuberculosis—all forms	10	--	--	--	--	1	3	4	2	4
Pulmonary tuberculosis	9	--	--	--	--	1	3	3	2	4
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	48	--	--	--	2	9	9	10	18	25
Motor vehicle	16	--	--	--	--	8	4	3	1	6
Home	21	--	--	--	2	1	1	3	14	14
Occupational	4	xxx	xxx	xxx	--	--	3	1	--	2
Public	7	--	--	--	--	--	1	3	3	3
Arteriosclerosis	23	xxx	xxx	xxx	--	--	--	1	22	16
Cancer	75	--	--	--	--	--	2	26	47	27
Diabetes	22	--	--	--	--	--	1	10	11	8
Diseases of digestive system, total	23	1	3	3	--	--	1	7	12	7
Appendicitis	--	--	--	--	--	--	--	--	--	--
Cirrhosis of the liver	7	1	1	1	--	--	--	1	5	1
Diarrhea and enteritis	2	--	2	2	--	--	--	--	--	--
Hernia and intestinal obstruction	5	--	--	--	--	--	--	2	3	1
Ulcers of stomach or duodenum	4	--	--	--	--	--	1	3	--	1
Goiter—exophthalmic	--	--	--	--	--	--	--	--	--	--
Heart disease, total	229	--	--	--	--	1	6	67	155	85
Coronary	80	--	--	--	--	--	1	34	45	32
Chronic rheumatic	17	--	--	--	--	--	2	9	6	2
Homicide	1	--	--	--	--	--	--	1	--	1
Intracranial lesions of vascular origin	36	--	--	--	--	--	3	8	25	19
Nephritis	48	--	--	--	--	--	1	10	37	16
Prostatic disease	2	--	--	--	--	--	--	1	1	--
Suicide	2	xxx	xxx	xxx	--	--	1	1	--	1
ALL OTHER KNOWN CAUSES	32	--	3	4	--	1	3	8	16	13
CAUSE AS YET UNASSIGNED	3	--	--	--	--	1	--	1	1	2

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.

Counties: Peoria and Tazewell.

(See masthead for map of State by Regions.)



TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,925	127	209	271	43	40	212	845	2,513	1,968
SELECTED CAUSES OF DEATH	3,673	126	195	250	31	32	187	784	2,388	1,831
Diseases of infancy, total	151	120	144	147	2	1	--	1	--	72
Premature birth	61	61	61	61	xxx	xxx	xxx	xxx	xxx	28
Maternal causes, total	12	xxx	xxx	xxx	--	2	10	--	xxx	8
Puerperal septicemia	4	xxx	xxx	xxx	--	--	4	--	xxx	3
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	xxx	1
Communicable diseases, total	255	2	32	67	11	6	23	48	100	112
Acute respiratory diseases, total	126	2	27	37	3	--	3	14	69	61
Influenza	15	--	3	4	--	--	1	1	9	7
Pneumonia	111	2	24	33	3	--	2	13	60	54
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	1	--	--	--	--	--	--	--	1	--
Measles	35	--	2	23	8	1	3	--	--	11
Meningitis—meningococcus	2	--	1	2	--	--	--	--	--	1
Pertussis (whooping cough)	1	--	--	1	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	29	--	1	1	--	1	2	15	10	13
Tuberculosis—all forms	58	--	1	3	--	4	14	18	19	23
Pulmonary tuberculosis	46	--	--	--	--	3	11	14	18	21
Other communicable diseases	3	--	--	--	--	--	1	1	1	2
Accidents—all forms, total	229	1	2	11	12	14	45	43	104	126
Motor vehicle	67	--	--	5	6	9	20	18	9	34
Home	97	1	1	4	4	--	9	7	73	51
Occupational	22	xxx	xxx	xxx	--	2	7	8	5	15
Public	43	--	1	2	2	3	9	10	17	26
Arteriosclerosis	77	xxx	xxx	xxx	--	--	--	2	75	35
Cancer	506	--	--	--	1	3	32	175	295	251
Diabetes	123	--	--	--	1	--	8	28	86	63
Diseases of digestive system, total	155	2	14	20	2	--	17	45	71	70
Appendicitis	10	--	--	1	--	--	1	5	3	4
Cirrhosis of the liver	37	--	--	--	--	--	7	10	20	13
Diarrhea and enteritis	16	2	12	14	--	--	1	--	1	8
Hernia and intestinal obstruction	37	--	1	2	1	--	--	14	20	16
Ulcers of stomach or duodenum	23	--	--	--	--	--	5	7	11	14
Goiter—exophthalmic	9	--	--	--	--	--	2	3	4	5
Heart disease, total	1,455	--	2	4	2	2	25	309	1,112	729
Coronary	460	--	--	--	1	1	9	154	295	230
Chronic rheumatic	65	--	--	--	1	1	6	21	36	33
Homicide	7	1	1	1	--	--	4	2	--	4
Intracranial lesions of vascular origin	378	--	--	--	--	--	5	71	302	194
Nephritis	256	--	--	--	--	3	8	38	207	125
Prostatic disease	25	--	--	--	--	--	--	2	23	12
Suicide	35	xxx	xxx	xxx	--	1	8	17	9	25
ALL OTHER KNOWN CAUSES	205	1	12	18	11	5	19	52	100	111
CAUSE AS YET UNASSIGNED	47	--	2	3	1	3	6	9	25	26

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Chrisitan, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Platt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,  
FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	924	37	53	62	10	14	70	247	520	358
SELECTED CAUSES OF DEATH	868	36	47	54	10	12	65	238	488	342
Diseases of infancy, total	40	35	38	38	--	--	1	1	--	18
Premature birth	17	16	17	17	xxx	xxx	xxx	xxx	xxx	11
Maternal causes, total	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Puerperal septicemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	72	1	5	5	1	4	16	20	26	26
Acute respiratory diseases, total	30	1	3	3	--	--	3	8	16	14
Influenza	7	--	--	--	--	--	--	4	3	2
Pneumonia	23	1	3	3	--	--	3	4	13	12
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	--	--	1	--	--	--	--	--
Meningitis—meningococcus	1	--	--	--	--	--	--	--	1	--
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	6	--	--	--	--	--	--	3	3	1
Tuberculosis—all forms	32	--	--	--	--	4	13	9	6	10
Pulmonary tuberculosis	29	--	--	--	--	4	10	9	6	9
Other communicable diseases	1	--	1	1	--	--	--	--	--	--
Accidents—all forms, total	68	--	1	6	6	2	8	18	28	36
Motor vehicle	19	--	--	1	2	--	3	6	7	7
Home	28	--	1	2	1	1	1	5	18	19
Occupational	7	xxx	xxx	xxx	--	--	3	4	--	2
Public	14	--	--	3	3	1	1	3	3	8
Arteriosclerosis	24	xxx	xxx	xxx	--	--	--	--	24	17
Cancer	116	--	--	--	--	--	12	52	52	47
Diabetes	25	--	--	--	1	1	1	9	13	8
Diseases of digestive system, total	36	--	3	3	--	2	4	15	12	9
Appendicitis	2	--	--	--	--	--	1	1	--	--
Cirrhosis of the liver	11	--	--	--	--	1	1	7	2	4
Diarrhea and enteritis	3	--	2	2	--	--	--	--	1	--
Hernia and intestinal obstruction	7	--	--	--	--	--	1	2	4	1
Ulcers of stomach or duodenum	4	--	--	--	--	--	1	2	1	1
Goiter—exophthalmic	--	--	--	--	--	--	--	--	--	--
Heart disease, total	327	--	--	2	1	3	12	86	222	117
Coronary	79	--	--	--	1	--	6	32	40	31
Chronic rheumatic	17	--	--	--	--	2	1	7	7	4
Homicide	3	--	--	--	--	--	3	--	--	2
Intracranial lesions of vascular origin	85	--	--	--	--	--	3	19	63	40
Nephritis	58	--	--	--	1	--	1	16	40	18
Prostatic disease	5	--	--	--	--	--	--	--	5	--
Suicide	7	xxx	xxx	xxx	--	--	2	2	3	4
ALL OTHER KNOWN CAUSES	33	1	3	5	--	1	2	4	21	7
CAUSE AS YET UNASSIGNED	23	--	3	3	--	1	3	5	11	9

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.  
Counties: Madison and St. Clair.  
(See masthead for map of State by Regions.)



TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,842	66	117	146	18	28	101	398	1,150	1,143
SELECTED CAUSES OF DEATH	1,702	64	105	130	14	22	89	370	1,076	1,050
Diseases of infancy, total	77	62	74	76	1	--	--	--	--	46
Premature birth	21	21	21	21	xxx	xxx	xxx	xxx	xxx	13
Maternal causes, total	2	xxx	xxx	xxx	--	--	2	--	xxx	2
Puerperal septicemia	2	xxx	xxx	xxx	--	--	2	--	xxx	2
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	132	--	22	32	4	1	17	26	52	84
Acute respiratory diseases, total	64	--	18	24	2	--	3	5	30	37
Influenza	17	--	4	5	--	--	1	--	11	10
Pneumonia	47	--	14	19	2	--	2	5	19	27
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	5	--	2	3	2	--	--	--	--	2
Meningitis—meningococcus	2	--	--	2	--	--	--	--	--	1
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	2
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	14	--	--	--	--	--	3	6	5	10
Tuberculosis—all forms	40	--	--	--	--	--	11	15	14	28
Pulmonary tuberculosis	39	--	--	--	--	--	11	15	13	27
Other communicable diseases	5	--	1	1	--	1	--	--	3	4
Accidents—all forms, total	115	--	2	8	4	13	22	25	43	59
Motor vehicle	24	--	--	--	1	3	10	4	6	12
Home	45	--	2	8	2	--	1	8	26	23
Occupational	20	xxx	xxx	xxx	--	3	9	7	1	8
Public	26	--	--	--	1	7	2	6	10	16
Arteriosclerosis	56	xxx	xxx	xxx	--	--	--	5	51	50
Cancer	198	--	--	1	--	2	17	69	109	115
Diabetes	50	--	--	--	1	--	2	14	33	29
Diseases of digestive system, total	82	2	7	12	2	1	4	22	41	48
Appendicitis	7	--	--	--	2	--	1	1	3	6
Cirrhosis of the liver	21	--	--	--	--	--	--	7	14	11
Diarrhea and enteritis	14	2	6	9	--	1	1	1	2	8
Hernia and intestinal obstruction	20	--	1	2	--	--	1	5	12	12
Ulcers of stomach or duodenum	6	--	--	--	--	--	--	3	3	1
Goiter—exophthalmic	1	--	--	--	--	--	--	--	1	1
Heart disease, total	630	--	--	1	1	3	16	140	469	380
Coronary	180	--	--	--	--	1	8	62	109	107
Chronic rheumatic	26	--	--	--	--	--	1	5	20	17
Homicide	5	--	--	--	--	--	2	1	2	3
Intracranial lesions of vascular origin	213	--	--	--	--	1	4	41	166	133
Nephritis	111	--	--	--	1	--	1	19	90	79
Prostatic disease	16	--	--	--	--	--	--	2	14	9
Suicide	14	xxx	xxx	xxx	--	1	2	6	5	12
ALL OTHER KNOWN CAUSES	111	1	10	13	2	5	8	21	62	76
CAUSE AS YET UNASSIGNED	29	1	2	3	2	1	4	7	12	17

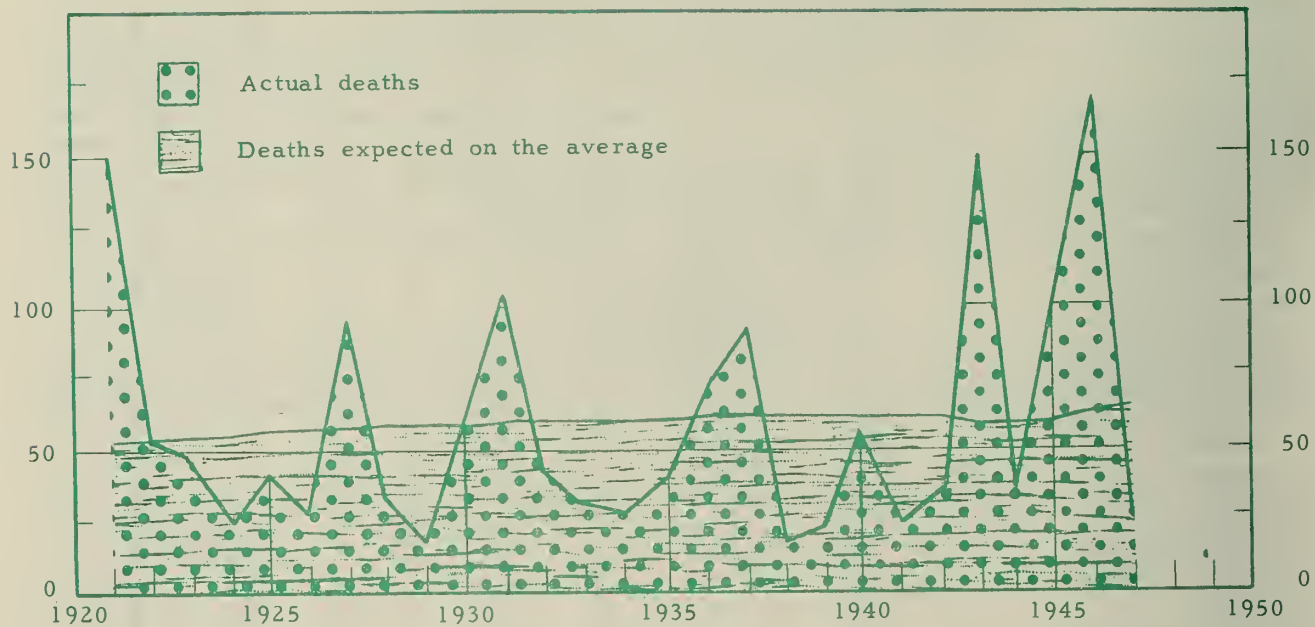
Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

# POLIOMYELITIS IN ILLINOIS, 1921-1947

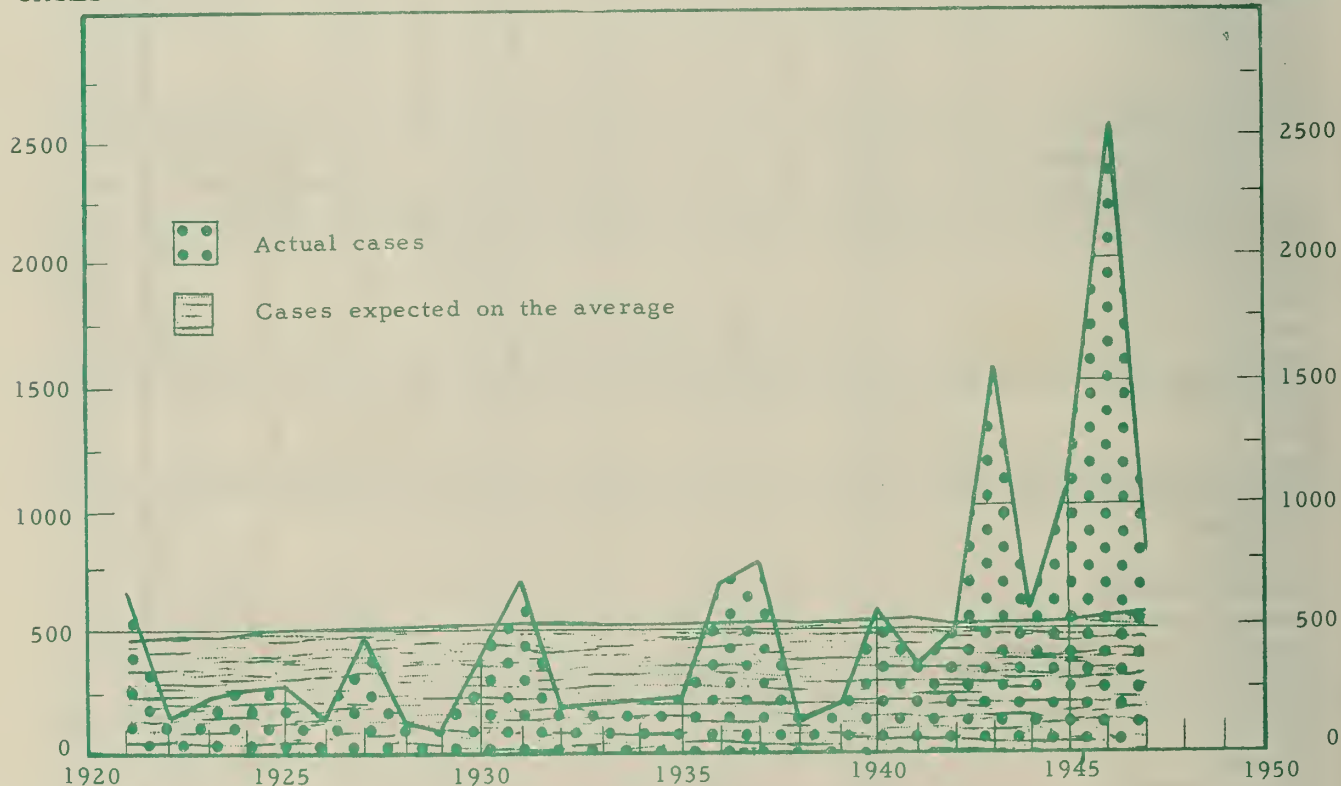
DEATHS

DEATHS



CASES

CASES



## HEALTH STATISTICS BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

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2

# Health Statistics BULLETIN

DIVISION OF VITAL STATISTICS AND RECORDS

1948 Series, Nos. 2, 3, 4

Springfield, Illinois

July 30, 1949

## MORTALITY IN 1948 AT A NEW ALL-TIME LOW PROGRESS UNCOVERS AND CREATES NEW HEALTH PROBLEMS

Only 10.4 deaths were recorded in 1948 for every thousand inhabitants of Illinois, the lowest rate on record. Although the rates in occasional earlier years have been nearly as low, none of these actually mark as great success in warding off death. The significant fact is that in 1948 a much higher proportion of the population was in the older ages when death is most imminent, while, at the same time, the proportion of those in the safest years of life, four to eighteen years old, was low as compared to earlier years. In reporting this milestone of health progress it is advisable to assess the implications of the facts as well as to describe them. Accordingly, this report first tells the important facts observed in the 1948 vital statistics. The concluding section attempts to interpret the meaning of our present stage of development and the challenge presented for future progress in health.

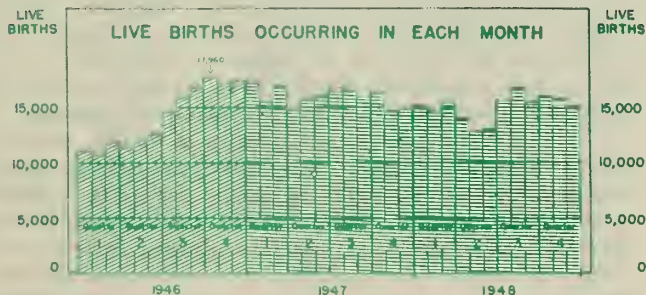
### THE 1948 RECORD

While enjoying an unprecedentedly low mortality, Illinois also maintained a high level of births. The birth rate of 20.9 represents a tapering off from the recent great boom in births but stands substantially above the averages established over the years preceding the boom. The continuation of a high level of births reflects the full employment and general prosperity that has persisted during the last few years. New family formation as reflected by marriages has fallen off after the impetus given by demobilization. Nevertheless, marriages have continued at a relatively high rate and are a guarantee against any precipitate drop in birth rates.

### POPULATION GROWTH

Low death rates coupled with a high level of

births is bringing Illinois a substantial growth in population. At the present rate Illinois population would be doubled in seventy years. The present annual rate of natural population increase is 10.5 persons per thousand, second only to the record breaking 11.9 in 1947. For the United States as a whole the increase was 14.4 per thousand in 1948 as against 15.7 in 1947. The rate for Illinois is understandably lower than the national rate because Illinois has a higher proportion of its population at the older ages where death is most frequent and reproduction has ceased. The current rate at which births exceed deaths in Illinois is higher than it has been at any time in the last thirty years. From 1921 to 1924 the rate of natural increase averaged 8 persons per thousand population. Subsequent years saw a decline in the rate of natural population growth to a low point of 2.5 per thousand population in 1936. Rising birth rates coupled with steady death rates in the late 30's and early 40's resulted in higher rates of natural increase. Since 1946, Illinois population has had a natural growth at a rate of over 10 per thousand inhabitants. The latest estimate places the number of inhabitants for the state at 8,670,000 as of July 1, 1948. The graph on the back page of this bulletin portrays how natural increase and migration combined to produce the population changes from 1921 to 1948 in Illinois.



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TABLE A - BIRTH AND DEATH RATES

	1948	1947
LIVE BIRTHS per 1,000 population	20.9	22.9
DEATHS per 1,000 population	10.4	11.0

Note: Rates are based on estimates of Illinois' population as follows: July 1, 1948 - 8,670,000; July 1, 1947 - 8,397,000.

#### LOWERED MATERNAL & INFANT MORTALITY

Maternal mortality has been so low in Illinois during recent years that the rate is no longer a good rule-of-thumb for assessing year to year health progress in the state. Only 148 maternal deaths were recorded during 1948. This establishes a new all-time low maternal death rate of 0.8 deaths per thousand live births, not much more than one fourth of what it was as recently as 1940.

While less improvement is to be noted for mortality in the first year of life, the infant death rate of 27.6 per thousand live births in 1948 is 22 per cent below 1940. The reduction in mortality has been greater for infants over one month of age than for those in the first month of life. The 1948 death rate for babies aged one month to one year was 37 per cent below the 1940 rate while the death rate for mortality in the first month of life was 15 per cent below the 1940 rate. Reduction in mortality from influenza and pneumonia was the greatest single factor in the lowered mortality among infants between the ages of one month and one year. In 1948, only 2 babies died from influenza and pneumonia for every thousand born alive, just one half the 1940 rate.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES

	Per 1,000 live births	
	1948	1947
FETAL MORTALITY (Stillbirths)	18.1	18.9
NEONATAL MORTALITY (under 1 Month)	20.5	21.7
INFANT MORTALITY (under 1 year)	27.6	28.8
Premature birth	10.5	10.2
MATERNAL MORTALITY	0.8	1.0

There has been a general decline in the risk of death from prematurity over the last twenty years. Despite this prematurity is the most frequent cause of death in babies. This toll is so heavy that premature birth ranks as the ninth most frequent cause of death in the entire population.

For 1948, the major causes of death, such as heart disease, cancer, and cerebral hemorrhage, all exhibited reversals of their previous upward trend in mortality. Even motor vehicle accidents, as well as all other accidents, brought lower mortality in 1948 than in 1947. As with total deaths, we find that not only are the rates for 1948 lower, but, except for cancer, the actual number of deaths are also fewer.

Although the overall death rate for 1948 was 5 per cent below the 1947 figure, the death rate for the communicable diseases was 13 per cent below the rate for 1947. The death rate for all communicable diseases in 1948 was only 73 per 100,000

population as compared to 84 deaths per 100,000 population in 1947. Tuberculosis mortality continued its long decline by dropping from 33.0 deaths per 100,000 population to 30.1 in 1948. The absence of any real outbreak of influenza and pneumonia held deaths from these diseases at reduced levels. However, even with this reduced mortality, tuberculosis took 2,609 lives in Illinois during 1948, and flu and pneumonia were responsible for 2,711 lives.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
1. Heart disease	33,787	34,225	389.7	407.6
2. Cancer	13,674	13,441	157.7	160.1
3. Cerebral hemorrhage*	7,125	7,419	82.2	88.4
4. All accidents	5,623	5,783	64.9	68.9
5. Nephritis	5,048	5,235	58.2	62.3
6. Diabetes	2,784	2,735	32.1	32.6
7. Influenza and pneumonia	2,711	3,279	31.3	39.0
8. Tuberculosis	2,609	2,770	30.1	33.0
9. Premature birth	1,903	1,959	21.9	23.3
10. Arteriosclerosis	1,375	1,431	15.9	17.0

\* Intracranial lesions of vascular origin

Note: For change in figures on accidents see footnote to Table D.

#### NO DEATHS FROM SMALLPOX FOR TEN YEARS

For the past ten years there was not a single death from smallpox, in Illinois, and for the first time, not a single case of smallpox was reported during the calendar year 1948. Another first was also recorded for scarlet fever, with no deaths from this cause in 1948. For the second consecutive year there have been no deaths from rabies in the state. Measles, meningococcal meningitis, and poliomyelitis, were the only communicable diseases which had greater mortality in 1948 than in 1947. The 84 measles deaths and the 41,631 cases reported during the year reflect a cyclical resurgence of an endemic disease. Meningitis mortality, at 0.6 deaths per 100,000 inhabitants, was above the rate of 0.5 for 1947. However, meningitis mortality in 1947 and 1948 was moderate compared to the high mortality of 2.0 per 100,000 population for the years 1943 - 1945. The higher poliomyelitis mortality followed an outbreak in the latter half of 1948, which was attended by rather high fatalities.

Deaths from diphtheria and whooping cough were few in 1948, but any mortality from these preventable diseases is a tragic commentary on the failure to immunize the susceptible population. Twenty-six deaths from whooping cough were reported in Illinois during 1948, and over half of these deaths were among children under one year of age.

The nephritis death rate of 58.2 per 100,000 inhabitants for 1948 is 7 per cent below the rate for 1947 and 16 per cent below the rate for 1946. No conclusive evidence has yet been presented as to the reason for this decline. One explanation has recently been advanced by the National Office of Vital Statistics in the statement: "The lower death rate for nephritis may possibly be associated with



the increase in mortality from heart disease as they commonly occur in the same individual."<sup>1</sup>

TABLE D - ACCIDENTAL DEATHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
ALL ACCIDENTS	5,623	5,783	64.9	68.9
Motor vehicle	1,919	1,900	22.1	22.6
Home accidents	1,846	1,855	21.3	22.1
Occupational	552	662	6.4	7.9
Public accidents	1,306	1,366	15.1	16.3

Note: The figures in this table have been corrected to include all coroner's permanent certificates (that supersede temporary certificates on which no cause of death is assigned) received up to May 1, 1949.

Deaths due to all forms of accidents are fourth on the list of leading causes of mortality and were responsible for 6 per cent of all deaths during 1948. Home accidents, which accounted for one-third of the deaths from all accidental causes, take their greatest toll among the aged. Over 61 per cent of the 1,846 fatal home accidents in 1948 occurred among persons over 65 years of age. That the home holds many hazards to the lives of infants is evident from the fact that 6 per cent of the deaths from accidents in the home in 1948 were among children under five years of age and 39 per cent of these child deaths occurred among infants less than one year old. Half of these infant deaths in the home were caused by mechanical suffocation.

Eighty fewer people took their own lives during 1948. Based on present reports, a total of 874 suicides were reported in 1948 for a death rate 10.1 per 100,000 population as compared to a rate of 11.4 for 1947. There were, however, 490 homicide deaths reported in 1948, an increase of 71 deaths over the total for 1947.

## HISTOPLASMOSIS DEATHS

Among the more unusual causes of death, we find that there were three reported deaths from histoplasmosis during 1948. Since 1944, a total of only 7 deaths from histoplasmosis have been reported in the state. For all three 1948 deaths the diagnosis of histoplasmosis was established at autopsy. Presumably, the recent heightened interest in histoplasmosis is encouraging greater efforts to recognize the disease. The mass surveys for tuberculosis case finding by means of chest X-rays and the current emphasis on tests for histoplasmin sensitivity have undoubtedly brought about a heightened interest in histoplasmosis.

## MORTALITY BY REGION

Table E gives the natality rates as well as mortality rates for the six regions in the state. Region 6 (Southern Area) had the lowest birth rate in the state with 18.7 live births per thousand population while Region 5 (East St. Louis Metropolitan Area) had the highest birth rate with 24.2 live births per thousand inhabitants. Region 6 also had the lowest death rate at 9.7 deaths per thousand population. However, while tests of completeness of registration have not been made in the state for some time, such evidence as there is indicates that underregistration of births and deaths is negligible everywhere except in the Southern portion of the state. Therefore the rates for that area tend to underestimate actual conditions. However, we see that the Southern portion of the state has important health problems in that both infant and maternal mortality are higher than in the rest of the state.

There was little appreciable variation in the death rates for premature birth for the six regions in the state during 1948. Region 3 (Peoria Met-

TABLE E - NATALITY AND MORTALITY BY REGION OF RESIDENCE, 1948

(Includes births and deaths of residents occurring outside Illinois reported up to May 1, 1949)

	REGION 1 Chicago Metropolitan	REGION 2 Northern	REGION 3 Peoria Metropolitan	REGION 4 Central	REGION 5 E. St. Louis Metropolitan	REGION 6 Southern
Live Births	21.2	23.0	23.5	20.6	24.2	18.7
All Deaths, all causes	10.2	11.9	10.3	10.6	10.7	9.7
Neonatal Mortality (under 1 mo.)	20.3	21.2	19.0	19.2	25.6	20.9
Infant Mortality (under 1 yr.)	27.1	29.1	25.4	26.2	32.9	30.6
Premature birth	10.8	10.4	9.2	10.0	12.5	9.5
All Maternal causes	0.7	0.6	0.7	1.0	0.6	1.2
Influenza and Pneumonia	32.2	40.8	38.8	27.5	28.1	26.6
Tuberculosis	37.1	26.4	21.7	15.9	31.3	21.4
All Accidents	58.1	80.7	80.1	74.3	83.9	77.3
Arteriosclerosis	10.5	20.9	32.8	21.3	20.5	32.1
Cancer	166.2	172.7	139.3	154.3	143.7	125.3
Diabetes	33.5	36.0	26.8	32.6	25.6	23.0
Heart Disease	405.2	441.2	337.4	374.7	364.8	330.5
Intracranial Lesions of Vascular Origin	70.6	106.5	72.9	103.3	99.6	104.4
Nephritis	55.4	57.1	76.3	70.4	64.3	58.3

Note: The rates for live births and for deaths all causes are per 1,000 population. Maternal and infant causes of death are per 1,000 live births. All other rates are per 100,000 population.

<sup>1</sup> Current Mortality Analysis (Federal Security Agency Vol. VI, No. 3 (March, 1948)), p. 1.

ropolitan Area) had the lowest mortality with 9.2 deaths per thousand live births while Region 5



(East St. Louis Metropolitan Area) had the highest mortality from premature birth with a rate of 12.5.

It is interesting to note that mortality from arteriosclerosis, nephritis, and intracranial lesions of vascular origin are lower in Region 1 than in the rest of the state while at the same time mortality from heart disease is high in Region 1. Tuberculosis

mortality was highest in Region 1. The lowest accident mortality 58.1 per hundred thousand population was also recorded in Region 1. Some caution must be used in interpreting the rates in Table E, since the population estimates used for each region are more liable to error than the estimates of total population for the state.

#### THE FRUITS OF SUCCESS — NEW PROBLEMS FOR OLD

Almost unbelievable success has crowned the efforts to prevent premature death. Now, only about one per cent of the population dies in the course of a year despite a greater proportion of old people than ever before. The very presence of so many oldsters is ample testimony to the achievements in preventing premature death. The brilliant record of recent years is nowhere more striking than in the current low risk of death among babies and among mothers. Less than three per cent of the babies die in their first year of life and less than one per cent of the mothers die from causes associated with childbirth. The communicable diseases which were so great a scourge are now numerically insignificant among the causes of death, except for influenza and pneumonia and pulmonary tuberculosis. However, death rates from these diseases are diminishing year by year. The trend in tuberculosis has made it plausible that this dreaded scourge can be totally eliminated within the foreseeable future, provided that control efforts are not only maintained but improved. Improved efforts are required because any control operation runs into the law of diminishing return per unit of effort as the ultimate goal draws nearer. Then, there is also the sad fact that while even now the disease may be practically non-existent in one area, in another it can be widespread and serious. In Illinois, our largest city and our southernmost region pose a large and difficult tuberculosis control problem.

Recognizing that the continuance of present success in control over the principal communicable diseases depends on unrelaxed vigilance and undiminished effort, it is also time to assess the opportunities and needs for further health protection. A large part of our control over the communicable diseases rests on sanitation, a particular kind of control of environment. At the same time that sanitation requirements become larger with the growth of population and its increasing concentration in

urban areas, we face the new environmental problems of air pollution whose fatal importance was so dramatically emphasized at Donora, Pennsylvania. Changing industrial processes as well as the expansion of industry not only bring in such new problems, but intensify all the difficulties of waste disposal. None of these show up in vital statistics until after "the fat is in the fire." Nevertheless, they must always be kept in mind when interpreting the situations reflected by the official statistics of birth and death.

What, then, are the present and future health problems which are directly reflected in our vital statistics? Are there any serious new concerns when we review such a favorable picture as can be drawn from the 1948 vital statistics? Is there a "clear and present danger" in the situation we now encounter? Is there opportunity for further real progress?

THE IMPLICATIONS OF POPULATION TRENDS. The most important single fact about our population is that we are becoming a nation of old people. The year by year success in postponing death has at every stage, of course, contributed to the size of the population at older ages with a strong cumulative effect. In every census since 1900 a larger proportion of the population has shown up at ages over 35 years and a decreasing proportion at the ages under 35. The proportion of those over 65 years has grown fastest. The following table shows up this situation and gives the best informed forecasts of the next three decennial enumerations of the population of the United States.

In Illinois the proportion of elders has grown faster than for the nation as a whole ever since 1930. In 1940 Illinois had 7.2 per cent of its population over 65 years old and in 1950 these elders will constitute at least 8 per cent of all the state's population.

The result of all this is that persons in the productive working ages will have to produce more

#### PERCENT OF TOTAL POPULATION IN EACH AGE GROUP, U.S., 1900 - 1970

Year	Under 5 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-64 Years	65 Yrs. And Over
1900	12.1	22.4	19.7	15.9	12.1	13.7	4.1
1910	11.6	20.5	19.8	16.5	12.7	14.6	4.3
1920	11.0	20.9	17.7	16.2	13.4	16.1	4.7
1930	9.3	20.1	18.3	15.4	14.0	17.5	5.4
1940	8.0	17.0	18.2	16.3	13.9	19.9	6.7
1950*	9.2	17.2	15.1	15.9	14.2	21.0	7.7
1960*	7.6	17.2	15.8	13.8	14.3	22.1	9.2
1970*	7.9	15.4	15.9	14.5	12.5	23.5	10.5

\*Forecasts of The Population of The United States, 1945-1975 (United States Department of Commerce, Bureau of The Census), Table VI, p. 95.



food, shelter, clothing, and all the necessities of life. Although some of the population over 65 years old continue to produce the things that keep our economy going, their contribution to the actual production is small in comparison to the demands of non-producing consumers in the older ages. This situation is intensified by the fact that at the older ages women considerably outnumber men.

As we face this problem, we also encounter the fact that, for a time, we will have an actual decrease in the number of persons entering the labor force. The children born in the depression years of the nineteen thirties are now coming of age. In those years the birth rate dropped off so sharply that total births were lower than at any time subsequent to the war depressed baby production in 1917-18.

These basic facts about our population portend many important developments in our social and economic structure. From the health viewpoint they place new and difficult demands on health services. In order to maintain the necessary productivity of the working force it will hardly be sufficient just to postpone death a little longer. Numerous studies have demonstrated that loss of work time due to disability from illness, injury, and death is not only costly, but is a major factor in holding production below optimum levels. The disadvantage of such disability increases with the skill of the worker. Therefore, with increasing dependence on skilled workers and a need for greater productivity from those workers, it is obvious that our best hope is to protect ourselves from work losses by maintaining our working force at the highest possible level of vigor and health. This means that we face a new type of responsibility, namely, that of preventing every type of disability, mental as well as physical, that may occur in the adult members of the labor force.

**THE NEWER FIELDS FOR HEALTH PROTECTION.** Merely a casual glance at mortality statistics reveals that any further real progress in preventing premature death is not only dependent

upon our ability to minimize deaths among adults under 65, but upon successfully combating the degenerative diseases that accompany aging. Heart disease, cancer, cerebral hemorrhage, nephritis, and accidents account for over half the deaths at age 25 to 44 and over three-fourths of the deaths at age 45 to 64. Except for the common cold, mental disease, and certain temporary female disorders, these same conditions also contribute more than any other group to non-fatal disability.

The fact that most accidents are held preventable demonstrates the need for redoubled efforts at accident prevention. The public health movement has really only made a small beginning on programs for accident prevention. It is felt there is a definite need for an overall attack on the problem to supplement and coordinate the specialized programs for highway safety, industrial safety, etc.

Real success with the degenerative diseases depends heavily on research to uncover new knowledge and new methods. However, the present stage of knowledge is sufficient to produce important gains if applied. It has been pointed out that the public health movement would have been tardy indeed had it waited for the final, effective tools before making any attempt at control of malaria and typhoid. Belief that the public health movement can and should do something about these newer problems has already crystallized in the Congress. Large appropriations have already been made (or are in the making) to attack these newer problems. At the same time, the very existence of these problems has done much to precipitate the entire controversy over methods for medical care.

The picture that is drawn from our current vital statistics amply demonstrates the need for action on new concerns by the public health movement. The statistical picture also points up real opportunities for important progress. The danger from the favorable aspects of the statistical picture is complacency brought about by a partial victory. Such danger may not be entirely clear, but is certainly ever present.

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*Health Statistics*  
**BULLETIN**

RELEASED FOR THE USE OF PROFESSIONAL WORKERS IN HEALTH

ADDRESS MAIL FOR THE HEALTH STATISTICS BULLETIN TO  
O. K. SAGEN, PH.D., CHIEF  
DIVISION OF VITAL STATISTICS AND RECORDS

TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, 1948

(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,670,000	180,987	3275	89850	La Salle	107,398	2,350	57	1,077
Chicago	3,757,433	77,406	1478	37875	Lawrence	21,096	114	5	151
Downstate	4,912,567	103,581	1797	51975	Lee	37,483	730	13	509
					Livingston	41,694	722	14	459
Adams	71,408	1,650	25	835	Logan	31,921	566	11	411
Alexander	27,992	749	23	350	McDonough	29,044	680	15	335
Bond	14,528	25	--	88	McHenry	38,383	732	14	399
Boone	16,411	448	7	214	McLean	80,629	1,913	36	864
Brown	7,870	40	1	66	Macon	93,634	2,645	41	1,013
Bureau	37,937	818	11	413	Macoupin	46,862	276	9	386
Calhoun	7,992	80	1	50	Madison	165,736	3,949	75	1,701
Carroll	18,117	320	6	211	Marion	52,236	1,166	22	442
Cass	16,621	390	5	172	Marshall	13,215	12	--	68
Champaign	77,200	2,563	40	770	Mason	15,431	38	--	98
Christian	41,843	840	15	377	Massac	14,976	216	6	172
Clark	18,573	67	1	160	Menard	10,619	35	1	53
Clay	18,956	139	2	99	Mercer	17,651	18	2	101
Clinton	23,250	407	8	182	Monroe	12,674	8	1	89
Coles	42,022	996	19	418	Montgomery	37,295	960	18	472
Cook	4,553,336	94,344	1753	46,634	Morgan	39,632	823	17	754
Crawford	21,382	426	7	255	Moultrie	13,478	32	1	129
Cumberland	11,451	46	2	93	Ogle	30,250	381	6	265
De Kalb	37,298	1,100	12	437	Peoria	170,583	4,864	73	2,062
De Witt	18,368	235	4	164	Perry	25,439	511	9	212
Douglas	17,790	374	9	170	Piatt	14,590	199	4	120
Du Page	115,180	1,996	28	1,024	Pike	25,104	394	4	231
Edgar	26,255	460	10	265	Pope	7,719	60	--	57
Edwards	8,962	58	--	73	Pulaski	15,877	137	2	147
Effingham	22,357	931	11	287	Putnam	5,295	2	--	24
Fayette	28,867	595	11	235	Randolph	34,034	696	11	324
Ford	15,161	266	1	136	Richland	18,367	653	11	295
Franklin	58,375	693	15	457	Rock Island	126,051	3,278	61	1,460
Fulton	48,275	796	16	452	St. Clair	185,672	4,165	77	1,944
Gallatin	11,429	129	2	77	Saline	41,549	977	13	425
Greene	20,332	388	10	146	Sangamon	130,276	3,358	58	1,597
Grundy	18,781	307	8	152	Schuyler	11,166	108	4	86
Hamilton	13,108	236	4	113	Scott	8,084	20	1	51
Hancock	26,129	191	2	207	Shelby	26,036	357	4	228
Hardin	7,733	123	1	67	Stark	8,853	4	--	35
Henderson	8,858	19	1	44	Stephenson	44,279	1,212	23	527
Henry	47,579	1,018	15	511	Tazewell	64,141	1,002	20	428
Iroquois	32,451	552	12	265	Union	21,554	436	15	457
Jackson	41,206	1,048	14	416	Vermilion	95,507	2,103	28	1,059
Jasper	13,022	43	--	77	Wabash	13,935	135	2	154
Jefferson	36,984	936	17	365	Warren	22,896	586	12	229
Jersey	13,761	74	4	103	Washington	15,552	42	1	97
Jo Daviess	19,990	50	1	191	Wayne	21,767	224	4	131
Johnson	10,432	114	1	86	White	20,093	222	1	166
Kane	144,689	4,588	59	2,212	Whiteside	47,195	1,180	18	410
Kankakee	66,902	1,507	30	1,472	Will	126,400	2,731	44	1,271
Kendall	11,106	4	--	89	Williamson	56,401	984	17	625
Knox	57,249	1,268	17	568	Winnebago	134,778	3,488	75	1,252
Lake	134,740	4,017	76	1,409	Woodford	19,212	29	2	141

\* Estimated population as of July 1, 1948.



TABLE 11. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, 1948

(All registrations within the State)

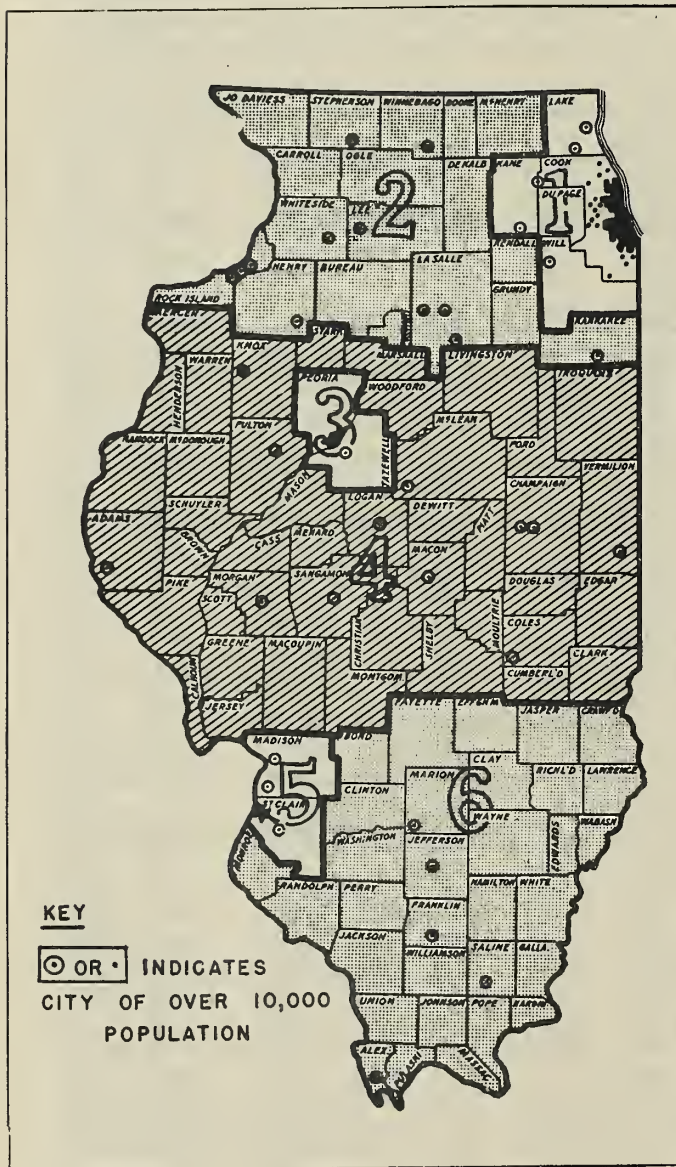
CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	89,850	3,705	5,000	5,830	759	1,570	7,310	27,528	46,849	19,111
SELECTED CAUSES OF DEATH	85,848	3,623	4,746	5,444	630	1,416	6,698	26,330	45,326	18,188
Diseases of infancy, total	4,038	3,433	3,829	3,920	35	23	36	22	2	289
Premature birth	1,903	1,875	1,903	1,903	XXX	XXX	XXX	XXX	XXX	105
Maternal causes, total	148	XXX	XXX	XXX	--	43	101	4	XXX	13
Puerperal septicemia	53	XXX	XXX	XXX	--	15	37	1	XXX	4
Puerperal toxemia	27	XXX	XXX	XXX	--	7	19	1	XXX	3
Communicable diseases, total	6,326	135	553	807	149	262	1,237	1,987	1,884	1,798
Acute respiratory diseases, total	2,711	133	480	595	42	27	235	631	1,181	558
Influenza	132	--	20	30	2	2	11	19	68	43
Pneumonia	2,579	133	460	565	40	25	224	612	1,113	515
Diphtheria	10	--	--	2	1	3	1	--	3	3
Dysentery—all forms	16	--	3	6	--	--	2	2	6	4
Encephalitis—infectious	19	--	2	2	1	--	4	9	3	8
Measles	84	--	11	51	25	2	6	--	--	15
Meningitis—meningococcus	55	--	11	30	8	2	5	8	2	7
Pertussis (whooping cough)	26	--	16	26	--	--	--	--	--	7
Poliomyelitis	65	--	1	10	24	15	16	--	--	9
Rheumatic fever	42	--	--	5	16	7	7	5	2	6
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	596	2	3	3	1	2	77	306	207	236
Tuberculosis—all forms	2,609	--	18	64	25	200	860	1,004	456	929
Pulmonary tuberculosis	2,387	--	5	21	12	178	790	952	434	898
Other communicable diseases	93	--	8	13	6	4	24	22	24	16
Accidents—all forms, total	5,623	17	124	320	274	608	1,060	1,392	1,967	1,360
Motor vehicle	1,919	--	6	67	118	360	498	510	366	580
Home	1,846	12	106	214	63	34	130	270	1,135	330
Occupational	552	XXX	XXX	XXX	--	66	185	243	58	147
Public	1,306	5	12	39	93	148	247	369	408	303
Arteriosclerosis	1,375	XXX	XXX	XXX	--	--	3	103	1,269	633
Cancer	13,674	--	2	39	35	84	1,030	5,696	6,789	2,403
Diabetes	2,784	--	1	4	13	20	90	1,030	1,627	455
Diseases of digestive system, total	3,867	26	204	279	57	54	492	1,558	1,427	511
Appendicitis	267	1	1	17	25	20	48	89	68	14
Cirrhosis of the liver	1,188	1	13	16	3	1	195	582	391	190
Diarrhea and enteritis	242	21	150	170	3	7	15	14	33	46
Hernia and intestinal obstruction	655	--	23	34	8	4	52	234	323	80
Ulcers of stomach or duodenum	633	1	3	3	2	4	73	298	253	62
Goiter—exophthalmic	164	--	--	--	--	5	16	75	68	26
Heart disease, total	33,787	2	10	28	39	112	1,596	10,709	21,302	7,495
Coronary	8,593	--	--	--	2	14	436	3,672	4,468	2,131
Chronic rheumatic	1,526	--	1	3	22	43	305	564	589	314
Homicide	490	9	12	15	5	82	276	92	20	48
Intracranial lesions of vascular origin	7,125	1	8	16	5	23	227	1,950	4,904	1,735
Nephritis	5,048	--	3	16	17	54	297	1,255	3,409	1,093
Prostatic disease	525	--	--	--	--	--	1	75	449	60
Suicide	874	XXX	XXX	XXX	1	46	236	382	209	269
ALL OTHER KNOWN CAUSES	3,968	80	250	380	126	152	603	1,191	1,516	909
CAUSE AS YET UNASSIGNED	34	2	4	6	3	2	9	7	7	14

\* Age not reported for 4 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

## THE SIX MAJOR REGIONS OF ILLINOIS



AREA	POPULATION - 1940 CENSUS		
	Total	Urban*	Rural*
<b>REGION 1 - CHICAGO METROPOLITAN</b>			
Cook County.....	4,063,342	3,956,153	107,189
Berwyn.....	48,451	48,451	—
Blue Island.....	16,638	16,638	—
Brookfield.....	10,817	10,817	—
Calumet City.....	13,214	13,214	—
Chicago.....	3,396,808	3,396,808	—
Chicago Heights.....	22,461	22,461	—
Cicero.....	64,712	64,712	—
Elmwood Park.....	13,689	13,689	—
Evansville.....	65,389	65,389	—
Forest Park.....	14,840	14,840	—
Harvey.....	17,878	17,878	—
LaGrange.....	10,479	10,479	—
Maywood.....	26,648	26,648	—
Melrose Park.....	10,933	10,933	—
Oak Park.....	66,015	66,015	—
Park Ridge.....	12,063	12,063	—
Wilmette.....	17,226	17,226	—
Winnetka.....	12,430	12,430	—
DuPage County.....	103,480	73,204	30,276
Elmhurst.....	15,458	15,458	—
Kane County.....	130,206	99,984	30,222
Aurora.....	47,170	47,170	—
Elgin.....	38,333	38,333	—
Lake County.....	121,094	79,652	41,442
Highland Park.....	14,476	14,476	—
Waukegan.....	34,241	34,241	—
Will County.....	114,210	47,608	66,602
Joliet.....	42,365	42,365	—
<b>REGION 2 - NORTHERN</b>			
Boone County.....	15,202	8,094	7,108
Bureau County.....	37,600	10,234	27,366
Carroll County.....	17,987	4,792	13,195
DeKalb County.....	34,388	16,456	17,932
Grundy County.....	18,398	6,145	12,253
Henry County.....	43,798	23,537	20,261
Kewanee.....	16,901	16,901	—
Jo Daviess County.....	19,989	4,126	15,863

AREA	POPULATION - 1940 CENSUS		
	Total	Urban*	Rural*
<b>REGION 3 - PEORIA METROPOLITAN</b>			
Peoria County.....	153,374	109,463	43,911
Peoria.....	105,087	105,087	—
Tazewell County.....	58,162	29,778	28,614
Pekin.....	19,407	19,407	—
<b>REGION 4 - CENTRAL</b>			
Adams County.....	65,229	40,469	24,760
Quincy.....	40,469	40,469	—
Brown County.....	8,053	—	8,053
Calhoun County.....	8,207	—	8,207
Cass County.....	16,245	6,505	9,920
Champaign County.....	70,578	37,366	33,212
Champaign.....	23,302	23,302	—
Urbana.....	14,064	14,064	—
Christian County.....	38,564	14,279	24,285
Clark County.....	18,842	5,301	13,541
Coles County.....	38,470	24,024	14,446
Mattoon.....	15,827	15,827	—
Cumberland County.....	11,698	—	11,698
De Witt County.....	18,244	6,331	11,913
Douglas County.....	17,590	2,838	14,752
Edgar County.....	24,430	9,281	15,149
Ford County.....	15,007	3,106	11,901
Fulton County.....	44,627	11,577	33,050
Canton.....	11,577	11,577	—
Greene County.....	20,292	5,582	14,710
Hancock County.....	26,297	2,575	23,722
Henderson County.....	8,949	—	8,949
Iroquois County.....	32,496	3,744	28,752
Jersey County.....	13,636	4,809	8,827
Knox County.....	52,250	32,094	20,156
Galesburg.....	28,876	28,876	—
Livingston County.....	38,838	9,585	29,253
Logan County.....	29,438	12,752	16,686
Lincoln.....	12,752	12,752	—
McDonough County.....	26,944	11,670	15,274
McLean County.....	73,930	39,851	34,079
Macon County.....	84,693	59,305	25,388
Decatur.....	59,305	59,305	—
Macoupin County.....	46,304	19,217	27,087
Marshall County.....	13,179	—	13,179
Mason County.....	15,358	3,999	11,359
Menard County.....	10,663	2,586	8,077
Mercer County.....	17,701	2,593	15,108
Montgomery County.....	34,499	14,124	20,375
Morgan County.....	36,378	19,844	16,534
Jacksonville.....	19,844	19,844	—
Moultrie County.....	13,477	3,101	10,376
Platt County.....	14,659	2,523	12,136
Pike County.....	25,340	2,884	22,456
Sangamon County.....	117,912	75,503	42,409
Springfield.....	75,503	75,503	—
Schuyler County.....	11,430	—	11,430
Scott County.....	8,176	—	8,176
Shelby County.....	26,290	4,092	22,198
Stark County.....	8,881	—	8,881
Vermilion County.....	86,791	48,981	37,810
Warren County.....	21,286	9,096	12,190
Woodford County.....	19,124	—	19,124
<b>REGION 5 - EAST ST. LOUIS METROPOLITAN</b>			
Madison County.....	149,349	104,638	44,711
Alton.....	31,255	31,255	—
Granite City.....	22,974	22,974	—
St. Clair County.....	166,899	108,537	58,362
Belleville.....	28,405	28,405	—
East Saint Louis.....	75,609	75,609	—
<b>REGION 6 - SOUTHERN</b>			
Alexander County.....	25,496	14,407	11,089
Cairo.....	14,407	14,407	—
Bond County.....	14,540	3,391	11,149
Clay County.....	18,947	5,474	13,473
Clinton County.....	22,912	3,225	19,687
Crawford County.....	21,294	4,311	16,983
Edwards County.....	8,974	—	8,974
Fayette County.....	22,034	6,180	15,854
Fayette County.....	22,034	6,180	15,854
Franklin County.....	53,137	26,594	26,543
West Frankfort.....	12,383	—	12,383
Gallatin County.....	11,414	—	11,414
Hamilton County.....	13,454	2,528	10,926
Hardin County.....	7,759	—	7,759
Jackson County.....	37,920	17,526	20,394
Jasper County.....	14,431	—	14,431
Jefferson County.....	34,375	14,724	19,651
Mount Vernon.....	14,724	14,724	—
Johnson County.....	10,727	—	10,727
Lawrence County.....	21,075	6,213	14,862
Marion County.....	47,989	23,028	24,961
Centerville.....	16,343	—	16,343
Massac County.....	14,937	6,287	8,650
Monroe County.....	12,754	—	12,754
Perry County.....	23,438	10,661	12,777
Pope County.....	7,999	—	7,999
Pulaski County.....	15,875	—	15,875
Randolph County.....	33,608	8,744	24,834
Richland County.....	17,137	7,831	9,306
Saline County.....	38,066	16,344	21,722
Harrisburg.....	13,453	—	13,453
Union County.....	21,528	4,092	17,436
Wabash County.....	13,724	6,987	6,737
Washington County.....	15,801	—	15,801
Wayne County.....	22,092	4,008	18,084
White County.....	20,027	4,098	15,929
Williamson County.....	51,424	26,914	24,510

\*Incorporated places of 2,500 population or more are considered urban and places under 2,500 are considered rural.



TABLE III. BIRTHS, DEATHS ALL CAUSES, AND INFANT DEATHS BY COUNTY OF RESIDENCE, 1948

(Includes births and deaths of residents occurring outside Illinois reported up to May 1, 1949)

COUNTY OF RESIDENCE	LIVE BIRTHS		DEATHS ALL CAUSES		INFANT DEATHS		COUNTY OF RESIDENCE	LIVE BIRTHS		DEATHS ALL CAUSES		INFANT DEATHS	
	Number	Rate	Number	Rate	Number	Rate		Number	Rate	Number	Rate	Number	Rate
Entire State*	184,199	21.2	91,156	10.5	5,103	27.7	La Salle	2,103	19.6	1,065	9.9	49	23.3
Chicago	78,191	20.8	39,263	10.4	2,154	27.5	Lawrence	378	17.9	211	10.0	11	29.1
Downstate	106,008	21.6	51,893	10.6	2,949	27.8	Lee	728	19.4	517	13.8	58	79.7
Adams	1,385	19.4	763	10.7	38	27.4	Livingston	802	19.2	430	10.3	15	18.7
Alexander	454	16.2	266	9.5	18	39.6	Logan	472	14.8	403	12.6	14	29.7
Bond	286	19.7	158	10.9	7	24.5	McDonough	597	20.6	323	11.1	11	18.4
Boone	382	23.3	205	12.5	11	28.8	McHenry	1,084	28.2	466	12.1	42	38.7
Brown	139	17.7	83	10.5	4	28.8	McLean	1,681	20.8	798	9.9	32	19.0
Bureau	705	18.6	400	10.5	16	22.7	Macon	2,304	24.6	925	9.9	69	29.9
Calhoun	136	17.0	66	8.3	3	22.1	Macoupin	840	17.9	570	12.2	27	32.1
Carroll	422	23.3	250	13.8	11	26.1	Madison	4,047	24.4	1,740	10.5	106	26.2
Cass	343	20.6	182	11.0	11	32.1	Marion	941	18.0	425	8.1	28	29.8
Champaign	2,490	32.3	706	9.1	45	18.1	Marshall	254	19.2	113	8.6	8	31.5
Christian	756	18.1	388	9.3	23	30.4	Mason	304	19.7	181	11.7	6	19.7
Clark	306	16.5	228	12.3	11	35.9	Massac	224	15.0	178	11.9	10	44.6
Clay	380	20.0	164	8.7	8	21.1	Menard	206	19.4	94	8.9	1	4.9
Clinton	537	23.1	200	8.6	7	13.0	Mercer	342	19.4	173	9.8	7	20.5
Coles	901	21.4	438	10.4	26	28.9	Monroe	240	18.9	135	10.7	5	20.8
Cook	95,015	20.9	47,076	10.3	2,584	27.2	Montgomery	640	17.2	355	9.5	18	28.1
Crawford	417	19.5	263	12.3	18	43.2	Morgan	608	15.3	684	17.3	22	36.2
Cumberland	200	17.5	134	11.7	5	25.0	Moultrie	283	21.0	158	11.7	4	14.1
De Kalb	933	25.0	405	10.9	22	23.6	Ogle	713	23.6	324	10.7	19	26.6
De Witt	360	19.6	206	11.2	13	36.1	Peoria	3,823	22.4	1,856	10.9	101	26.4
Douglas	344	19.3	176	9.9	7	20.3	Perry	452	17.8	203	8.0	15	33.2
Du Page	2,878	25.0	1,053	9.1	75	26.1	Piatt	302	20.7	155	10.6	10	33.1
Edgar	482	18.4	254	9.7	11	22.8	Pike	483	19.2	284	11.3	10	20.7
Edwards	199	22.2	114	12.7	7	35.2	Pope	114	14.8	84	10.9	3	26.3
Effingham	548	24.5	202	9.0	12	21.9	Pulaski	249	15.7	183	11.5	11	44.2
Fayette	528	18.3	235	8.1	12	22.7	Putnam	88	16.6	53	10.0	1	11.4
Ford	370	24.4	157	10.4	11	29.7	Randolph	567	16.6	305	9.0	28	49.4
Franklin	956	16.4	522	8.9	30	31.4	Richland	377	20.5	197	10.7	9	23.9
Fulton	860	17.8	479	9.9	31	36.0	Rock Island	3,068	24.3	1,418	11.2	87	28.4
Gallatin	218	19.1	112	9.8	8	36.7	St. Clair	4,451	24.0	2,032	10.9	174	39.1
Greene	320	15.7	181	8.9	9	28.1	Saline	658	15.8	400	9.6	25	38.0
Grundy	446	23.7	192	10.2	14	31.4	Sangamon	2,889	22.2	1,380	10.6	92	31.8
Hamilton	261	19.9	128	9.8	4	15.3	Schuyler	197	17.6	110	9.9	4	20.3
Hancock	515	19.7	325	12.4	14	27.2	Scott	150	18.6	91	11.3	5	33.3
Hardin	174	22.5	80	10.3	6	34.5	Shelby	491	18.9	281	10.8	9	18.3
Henderson	177	20.0	76	8.6	3	16.9	Stark	190	21.5	88	9.9	5	26.3
Henry	951	20.0	497	10.4	21	22.1	Stephenson	874	19.7	460	10.4	28	32.0
Iroquois	705	21.7	302	9.3	17	24.1	Tazewell	1,693	26.4	551	8.6	39	23.0
Jackson	851	20.7	401	9.7	23	27.0	Union	404	18.7	480	22.3	19	47.0
Jasper	261	20.0	136	10.4	5	19.2	Vermilion	1,906	20.0	1,010	10.6	50	26.2
Jefferson	787	21.3	340	9.2	22	28.0	Wabash	283	20.3	175	12.6	10	35.3
Jersey	302	21.9	148	10.8	7	23.2	Warren	475	20.7	220	9.6	13	27.4
Jo Daviess	461	23.1	278	13.9	15	32.5	Washington	275	17.7	148	9.5	6	21.8
Johnson	180	17.3	102	9.8	10	55.6	Wayne	449	20.6	188	8.6	14	31.2
Kane	3,090	21.4	1,952	13.5	80	25.9	White	454	27.6	212	10.6	17	37.4
Kankakee	1,411	21.1	1,463	21.9	45	31.9	Whiteside	1,265	26.8	467	9.9	29	22.9
Kendall	271	24.4	140	12.6	7	25.8	Will	2,697	21.3	1,274	10.1	82	30.4
Knox	1,194	20.9	589	10.3	34	28.5	Williamson	969	17.2	565	10.0	34	35.1
Lake	3,834	28.5	1,310	9.7	96	25.0	Winnebago	3,528	26.2	1,267	9.4	80	22.7
							Woodford	458	23.8	207	10.8	9	19.7

\* County of residence unknown for 8 live births, 19 deaths, and 5 infant deaths.

Note: Live birth and death rates are per 1,000 population. Infant death rates are per 1,000 live births.

TABLE IV. ALL DEATHS AMONG RESIDENTS OF ILLINOIS, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	91,156	3,780	5,103	5,959	782	1,599	7,415	28,009	47,384	22,850
SELECTED CAUSES OF DEATH	87,033	3,696	4,841	5,560	650	1,440	6,779	26,779	45,817	21,632
Diseases of infancy, total	4,112	3,498	3,905	3,998	32	23	34	23	2	977
Premature birth	1,947	1,918	1,947	1,947	xxx	xxx	xxx	xxx	xxx	430
Maternal causes, total	145	xxx	xxx	xxx	--	40	101	4	xxx	39
Puerperal septicemia	51	xxx	xxx	xxx	--	12	38	1	xxx	13
Puerperal toxemia	28	xxx	xxx	xxx	--	7	20	1	xxx	8
Communicable diseases, total	6,452	140	566	825	154	264	1,252	2,040	1,916	1,583
Acute respiratory diseases, total	2,755	138	488	605	43	27	241	639	1,200	721
Influenza	138	--	22	32	2	2	11	19	72	62
Pneumonia	2,617	138	466	573	41	25	230	620	1,128	659
Diphtheria	9	--	--	2	1	3	--	--	3	4
Dysentery—all forms	16	--	4	7	--	--	2	1	6	3
Encephalitis—infectious	20	--	2	2	1	--	4	10	3	6
Measles	83	--	10	50	25	2	6	--	--	25
Meningitis—meningococcus	55	--	11	29	8	1	5	10	2	14
Pertussis (whooping cough)	28	--	18	28	--	--	--	--	--	13
Poliomyelitis	68	--	1	11	25	16	16	--	--	22
Rheumatic fever	43	--	--	5	16	7	9	5	1	12
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	613	2	3	3	1	2	77	317	213	248
Tuberculosis—all forms	2,655	--	18	66	26	201	864	1,034	463	477
Pulmonary tuberculosis	2,436	--	5	22	12	181	796	983	441	456
Other communicable diseases	107	--	11	17	8	5	28	24	25	38
Accidents—all forms, total	5,750	18	125	335	286	623	1,078	1,420	2,004	1,719
Motor vehicle	1,926	--	5	67	116	360	491	520	371	623
Home	1,871	12	106	218	66	35	135	269	1,148	580
Occupational	548	xxx	xxx	xxx	1	58	182	247	60	172
Public	1,405	6	14	50	103	170	270	384	425	344
Arteriosclerosis	1,401	xxx	xxx	xxx	--	--	3	108	1,290	666
Cancer	13,850	--	3	38	36	88	1,042	5,777	6,868	2,947
Diabetes	2,792	--	1	4	12	19	88	1,044	1,624	626
Diseases of digestive system, total	3,942	29	205	281	59	56	498	1,586	1,462	872
Appendicitis	270	2	2	19	26	20	47	89	69	69
Cirrhosis of the liver	1,210	1	13	16	3	1	198	596	396	192
Diarrhea and enteritis	246	22	152	171	3	7	15	15	35	78
Hernia and intestinal obstruction	666	--	21	32	8	3	52	239	332	188
Ulcers of stomach or duodenum	639	1	3	3	2	3	75	301	255	107
Goiter—exophthalmic	162	--	--	--	--	6	15	75	66	40
Heart disease, total	34,144	2	14	32	40	115	1,618	10,872	21,466	8,308
Coronary	8,791	--	1	1	3	13	444	3,782	4,547	2,395
Chronic rheumatic	1,536	--	1	3	22	44	312	564	591	344
Homicide	479	9	12	15	5	81	268	89	21	44
Intracranial lesions of vascular origin	7,250	--	7	15	6	24	228	1,997	4,980	2,079
Nephritis	5,131	--	3	17	19	54	313	1,283	3,445	1,326
Prostatic disease	537	--	--	--	--	--	1	73	463	142
Suicide	886	xxx	xxx	xxx	1	47	240	388	210	264
ALL OTHER KNOWN CAUSES	4,090	82	258	393	129	157	627	1,224	1,560	1,204
CAUSE AS YET UNASSIGNED	33	2	4	6	3	2	9	6	7	14

\* Age not reported for 8 deaths, region of residence unknown for 19 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."



TABLE V. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	52,665	2,185	2,917	3,335	394	875	4,854	18,832	24,372	3,673
SELECTED CAUSES OF DEATH	50,596	2,145	2,777	3,117	330	794	4,486	18,109	23,757	3,530
Diseases of infancy, total	2,357	2,023	2,251	2,287	16	14	24	16	--	145
Premature birth	1,161	1,141	1,161	1,161	xxx	xxx	xxx	xxx	xxx	72
Maternal causes, total	78	xxx	xxx	xxx	--	25	52	1	xxx	6
Puerperal septicemia	26	xxx	xxx	xxx	--	6	20	--	xxx	2
Puerperal toxemia	17	xxx	xxx	xxx	--	6	11	--	xxx	2
Communicable diseases, total	3,974	98	332	464	87	183	895	1,388	956	246
Acute respiratory diseases, total	1,632	97	295	359	28	13	170	453	609	110
Influenza	31	--	4	10	1	2	3	3	12	2
Pneumonia	1,601	97	291	349	27	11	167	450	597	108
Diphtheria	5	--	--	1	--	2	--	--	2	1
Dysentery—all forms	11	--	2	4	--	--	1	1	5	1
Encephalitis—infectious	13	--	1	1	--	--	3	7	2	3
Measles	21	--	1	11	10	--	--	--	--	--
Meningitis—meningococcus	36	--	9	20	7	1	3	4	1	3
Pertussis (whooping cough)	5	--	5	5	--	--	--	--	--	--
Poliomyelitis	23	--	1	2	7	5	9	--	--	1
Rheumatic fever	28	--	--	2	12	4	5	5	--	4
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	264	1	1	1	--	--	38	144	81	44
Tuberculosis—all forms	1,884	--	15	51	20	156	647	761	248	79
Pulmonary tuberculosis	1,713	--	4	15	7	140	595	721	234	70
Other communicable diseases	52	--	2	7	3	2	19	13	8	--
Accidents—all forms, total	2,950	6	63	158	129	274	540	884	964	241
Motor vehicle	955	--	3	32	50	149	214	312	197	105
Home	909	4	55	106	30	22	88	170	493	71
Occupational	250	xxx	xxx	xxx	--	20	74	134	22	14
Public	836	2	5	20	49	83	164	268	252	51
Arteriosclerosis	533	xxx	xxx	xxx	--	--	3	58	472	142
Cancer	8,434	--	2	19	16	42	667	3,913	3,777	443
Diabetes	1,702	--	1	3	8	12	42	717	919	100
Diseases of digestive system, total	2,368	13	110	148	34	32	348	1,071	735	141
Appendicitis	144	1	1	10	12	12	25	50	35	6
Cirrhosis of the liver	824	--	11	14	3	--	163	438	206	39
Diarrhea and enteritis	111	11	74	82	2	5	7	8	7	11
Hernia and intestinal obstruction	366	--	15	20	4	2	33	142	165	34
Ulcers of stomach or duodenum	415	--	2	2	2	2	47	201	161	25
Goiter—exophthalmic	102	--	--	--	--	4	11	51	36	9
Heart disease, total	20,562	--	5	12	23	65	1,180	7,571	11,711	1,575
Coronary	4,414	--	--	--	1	5	254	2,184	1,970	327
Chronic rheumatic	898	--	1	2	16	27	219	388	246	45
Homicide	364	5	7	8	3	65	210	66	12	4
Intracranial lesions of vascular origin	3,584	--	4	7	3	13	148	1,260	2,153	230
Nephritis	2,810	--	2	11	11	38	229	853	1,668	188
Prostatic disease	283	--	--	--	--	--	1	50	232	20
Suicide	495	xxx	xxx	xxx	--	27	136	210	122	40
ALL OTHER KNOWN CAUSES	2,056	39	138	216	63	80	364	720	613	141
CAUSE AS YET UNASSIGNED	13	1	2	2	1	1	4	3	2	2

\* Age not reported for 3 deaths.

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.  
Counties: Cook, Du Page, Kane, Lake and Will.

TABLE VI. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	10,078	412	566	685	120	199	684	2,433	5,955	4,823
SELECTED CAUSES OF DEATH	9,560	400	540	642	94	175	594	2,312	5,741	4,556
Diseases of infancy, total	481	383	448	470	6	2	2	1	--	218
Premature birth	202	201	202	202	xxx	xxx	xxx	xxx	xxx	79
Maternal causes, total	12	xxx	xxx	xxx	--	3	9	--	xxx	5
Puerperal septicemia	4	xxx	xxx	xxx	--	1	3	--	xxx	2
Puerperal toxemia	3	xxx	xxx	xxx	--	--	3	--	xxx	--
Communicable diseases, total	743	11	54	84	22	25	115	223	274	460
Acute respiratory diseases, total	345	10	47	62	5	3	29	79	167	202
Influenza	21	--	5	6	1	--	3	3	8	7
Pneumonia	324	10	42	56	4	3	26	76	159	195
Diphtheria	1	--	--	--	--	--	--	--	1	1
Dysentery—all forms	3	--	1	1	--	--	1	--	1	2
Encephalitis—infectious	3	--	1	1	1	--	1	--	--	2
Measles	9	--	2	4	1	1	3	--	--	4
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	1
Poliomyelitis	22	--	--	6	8	3	5	--	--	8
Rheumatic fever	3	--	--	--	--	1	2	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	118	1	1	1	--	--	14	67	36	83
Tuberculosis—all forms	223	--	--	5	4	16	59	75	64	147
Pulmonary tuberculosis	215	--	--	3	4	15	57	74	62	146
Other communicable diseases	13	--	1	2	3	1	1	1	5	8
Accidents—all forms, total	682	2	19	37	41	88	133	118	265	323
Motor vehicle	246	--	--	5	19	56	70	47	49	117
Home	245	--	15	27	9	3	12	27	167	119
Occupational	64	xxx	xxx	xxx	--	7	28	19	10	37
Public	127	2	4	5	13	22	23	25	39	50
Arteriosclerosis	177	xxx	xxx	xxx	--	--	--	13	164	86
Cancer	1,460	--	--	8	7	10	87	486	861	625
Diabetes	304	--	--	--	--	1	11	84	208	141
Diseases of digestive system, total	386	3	15	28	10	7	36	134	171	186
Appendicitis	35	1	1	5	5	4	4	12	5	15
Cirrhosis of the liver	99	--	1	1	--	--	8	45	45	47
Diarrhea and enteritis	31	1	11	15	1	--	4	4	7	19
Hernia and intestinal obstruction	60	--	1	1	1	--	5	19	34	33
Ulcers of stomach or duodenum	57	1	1	1	--	--	5	23	28	15
Goiter—exophthalmic	12	--	--	--	--	--	--	8	4	5
Heart disease, total	3,729	1	2	4	4	14	127	937	2,642	1,795
Coronary	1,274	--	--	--	--	1	61	468	743	518
Chronic rheumatic	147	--	--	--	1	5	22	41	78	61
Homicide	22	--	--	1	2	6	7	5	1	12
Intracranial lesions of vascular origin	900	--	2	6	2	5	17	162	708	369
Nephritis	483	--	--	4	--	5	16	91	367	245
Prostatic disease	68	--	--	--	--	--	--	5	63	32
Suicide	101	xxx	xxx	xxx	--	9	34	45	13	54
ALL OTHER KNOWN CAUSES	512	12	26	42	26	24	87	120	213	262
CAUSE AS YET UNASSIGNED	6	--	--	1	--	--	3	1	1	5

\* Age not reported for 2 deaths.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.



TABLE VII. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,407	105	140	155	16	43	200	660	1,333	964
SELECTED CAUSES OF DEATH	2,270	102	129	142	12	38	176	629	1,273	904
Diseases of infancy, total	117	98	108	112	1	--	2	2	--	46
Premature birth	51	50	51	51	xxx	xxx	xxx	xxx	xxx	18
Maternal causes, total	4	xxx	xxx	xxx	--	1	3	--	xxx	--
Puerperal septicemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Communicable diseases, total	184	2	8	12	3	3	21	58	87	98
Acute respiratory diseases, total	91	2	8	10	--	--	4	19	58	54
Influenza	4	--	1	1	--	--	--	1	2	2
Pneumonia	87	2	7	9	--	--	4	18	56	52
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	--	1	--	--	--	--	--	--
Meningitis—meningococcus	2	--	--	--	--	--	--	2	--	1
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	3	--	--	--	2	1	--	--	--	--
Rheumatic fever	1	--	--	--	1	--	--	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	33	--	--	--	--	--	7	12	14	17
Tuberculosis—all forms	51	--	--	1	--	2	10	23	15	23
Pulmonary tuberculosis	49	--	--	1	--	2	10	21	15	23
Other communicable diseases	2	--	--	--	--	--	--	2	--	2
Accidents—all forms, total	188	1	3	8	5	27	34	44	70	82
Motor vehicle	56	--	--	--	--	19	17	14	6	22
Home	75	1	3	5	2	1	4	11	52	38
Occupational	16	xxx	xxx	xxx	--	3	6	7	--	5
Public	41	--	--	3	3	4	7	12	12	17
Arteriosclerosis	77	xxx	xxx	xxx	--	--	--	9	68	55
Cancer	327	--	--	--	1	--	25	122	179	112
Diabetes	63	--	--	--	--	--	2	21	40	17
Diseases of digestive system, total	111	1	10	10	--	2	13	40	46	35
Appendicitis	10	--	--	--	--	2	3	4	1	4
Cirrhosis of the liver	26	1	1	1	--	--	1	12	12	5
Diarrhea and enteritis	10	--	8	8	--	--	--	1	1	3
Hernia and intestinal obstruction	19	--	--	--	--	--	1	6	12	7
Ulcers of stomach or duodenum	26	--	--	--	--	--	5	13	8	7
Goiter—exophthalmic	4	--	--	--	--	--	--	1	3	1
Heart disease, total	792	--	--	--	2	2	44	236	508	302
Coronary	270	--	--	--	--	--	17	112	141	107
Chronic rheumatic	64	--	--	--	2	1	12	22	27	10
Homicide	14	--	--	--	--	--	10	3	1	6
Intracranial lesions of vascular origin	171	--	--	--	--	--	9	40	122	65
Nephritis	179	--	--	--	--	3	6	34	136	68
Prostatic disease	11	--	--	--	--	--	--	2	9	4
Suicide	28	xxx	xxx	xxx	--	--	7	17	4	13
ALL OTHER KNOWN CAUSES	137	3	11	13	4	5	24	31	60	60
CAUSE AS YET UNASSIGNED	--	--	--	--	--	--	--	--	--	--

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.  
 Counties: Peoria and Tazewell.

TABLE VIII. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	14,914	561	764	938	135	226	867	3,357	9,391	7,502
SELECTED CAUSES OF DEATH	14,114	548	724	874	110	203	783	3,154	8,990	7,078
Diseases of infancy, total	613	520	579	595	7	3	3	3	2	289
Premature birth	291	286	291	291	xxx	xxx	xxx	xxx	xxx	131
Maternal causes, total	29	xxx	xxx	xxx	--	8	20	1	xxx	14
Puerperal septicemia	10	xxx	xxx	xxx	--	4	6	--	xxx	2
Puerperal toxemia	6	xxx	xxx	xxx	--	--	5	1	xxx	6
Communicable diseases, total	816	15	90	151	23	22	97	190	333	386
Acute respiratory diseases, total	388	15	75	99	6	7	16	47	213	192
Influenza	42	--	7	9	--	--	2	4	27	28
Pneumonia	346	15	68	90	6	7	14	43	186	164
Diphtheria	1	--	--	--	--	1	--	--	--	1
Dysentery—all forms	1	--	--	1	--	--	--	--	--	--
Encephalitis—infectious	3	--	--	--	--	--	--	2	1	1
Measles	39	--	3	25	10	1	3	--	--	13
Meningitis—meningococcus	7	--	1	3	1	--	1	2	--	4
Pertussis (whooping cough)	9	--	5	9	--	--	--	--	--	6
Poliomyelitis	8	--	--	2	2	2	2	--	--	6
Rheumatic fever	6	--	--	2	2	1	1	--	--	3
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	109	--	1	1	--	1	6	55	46	53
Tuberculosis—all forms	225	--	1	5	1	7	64	81	67	94
Pulmonary tuberculosis	203	--	--	1	1	6	57	75	63	89
Other communicable diseases	20	--	4	4	1	2	4	3	6	13
Accidents—all forms, total	1,049	5	16	65	55	107	195	196	431	607
Motor vehicle	362	--	--	20	19	72	97	91	63	217
Home	381	4	14	34	20	2	20	31	274	202
Occupational	100	xxx	xxx	xxx	--	10	33	36	21	62
Public	206	1	2	11	16	23	45	38	73	126
Arteriosclerosis	301	xxx	xxx	xxx	--	--	--	8	293	137
Cancer	2,180	--	1	8	6	22	140	732	1,272	1,067
Diabetes	460	--	--	1	2	2	23	130	302	236
Diseases of digestive system, total	599	4	29	40	6	6	63	196	288	269
Appendicitis	41	--	--	2	3	2	6	13	15	21
Cirrhosis of the liver	144	--	--	--	--	--	18	54	72	55
Diarrhea and enteritis	40	4	23	25	--	1	3	--	11	19
Hernia and intestinal obstruction	128	--	4	8	2	--	7	40	71	57
Ulcers of stomach or duodenum	92	--	--	--	--	1	14	42	35	40
Goiter—exophthalmic	34	--	--	--	--	1	4	12	17	20
Heart disease, total	5,292	1	5	9	4	11	134	1,172	3,962	2,661
Coronary	1,797	--	1	1	1	3	59	611	1,122	909
Chronic rheumatic	255	--	--	1	2	6	33	64	149	145
Homicide	26	3	3	3	--	2	13	5	3	8
Intracranial lesions of vascular origin	1,459	--	--	1	1	4	25	274	1,154	768
Nephritis	994	--	1	1	5	6	29	161	792	472
Prostatic disease	107	--	--	--	--	--	--	10	97	54
Suicide	155	xxx	xxx	xxx	1	9	37	64	44	90
ALL OTHER KNOWN CAUSES	790	13	39	62	23	23	83	201	398	420
CAUSE AS YET UNASSIGNED	10	--	1	2	2	--	1	2	3	4

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.



TABLE IX. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,772	218	280	314	42	85	332	1,063	1,936	1,319
SELECTED CAUSES OF DEATH	3,594	207	263	293	39	78	312	1,013	1,859	1,267
Diseases of infancy, total	217	193	208	212	--	2	2	1	--	76
Premature birth	106	104	106	106	xxx	xxx	xxx	xxx	xxx	40
Maternal causes, total	5	xxx	xxx	xxx	--	--	5	--	xxx	1
Puerperal septicemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	269	6	22	29	9	14	55	81	81	95
Acute respiratory diseases, total	99	6	14	17	--	1	10	25	46	42
Influenza	11	--	--	--	--	--	1	7	3	4
Pneumonia	88	6	14	17	--	1	9	18	43	38
Diphtheria	1	--	--	--	1	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	5	--	2	3	2	--	--	--	--	4
Meningitis—meningococcus	4	--	--	1	--	--	1	1	1	1
Pertussis (whooping cough)	4	--	3	4	--	--	--	--	--	1
Poliomyelitis	8	--	--	--	5	3	--	--	--	5
Rheumatic fever	1	--	--	--	--	--	1	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	32	--	--	--	--	--	3	16	13	11
Tuberculosis—all forms	110	--	2	3	1	10	39	37	20	28
Pulmonary tuberculosis	101	--	1	1	--	10	34	36	20	27
Other communicable diseases	5	--	1	1	--	--	1	2	1	2
Accidents—all forms, total	295	3	11	26	25	37	55	65	87	112
Motor vehicle	117	--	2	6	13	22	25	27	24	39
Home	86	2	8	15	1	3	4	16	47	45
Occupational	33	xxx	xxx	xxx	--	5	16	10	2	8
Public	59	1	1	5	11	7	10	12	14	20
Arteriosclerosis	72	xxx	xxx	xxx	--	--	--	3	69	40
Cancer	505	--	--	--	2	4	56	202	241	172
Diabetes	90	--	--	--	1	1	4	38	46	28
Diseases of digestive system, total	180	4	18	19	--	5	21	53	82	64
Appendicitis	9	--	--	--	--	--	6	2	1	2
Cirrhosis of the liver	49	--	--	--	--	1	7	19	22	15
Diarrhea and enteritis	20	3	16	17	--	--	--	--	3	6
Hernia and intestinal obstruction	30	--	--	--	--	--	1	13	16	15
Ulcers of stomach or duodenum	22	--	--	--	--	--	2	9	11	7
Goiter—exophthalmic	4	--	--	--	--	--	--	2	2	1
Heart disease, total	1,282	--	2	4	1	8	50	383	836	421
Coronary	312	--	--	--	1	2	20	146	143	101
Chronic rheumatic	58	--	--	--	--	4	10	22	22	13
Homicide	37	1	2	2	--	6	21	7	1	5
Intracranial lesions of vascular origin	350	--	--	--	--	1	13	98	238	144
Nephritis	226	--	--	1	1	--	17	59	148	85
Prostatic disease	20	--	--	--	--	--	--	2	18	6
Suicide	42	xxx	xxx	xxx	--	--	13	19	10	17
ALL OTHER KNOWN CAUSES	177	10	16	20	3	7	20	50	77	52
CAUSE AS YET UNASSIGNED	1	1	1	1	--	--	--	--	--	--

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.  
 Counties: Madison and St. Clair.

TABLE X. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,301	294	431	526	75	171	475	1,662	4,390	4,568
SELECTED CAUSES OF DEATH	6,881	289	403	486	65	152	426	1,560	4,190	4,296
Diseases of infancy, total	322	276	306	317	2	2	1	--	--	203
Premature birth	133	133	133	133	XXX	XXX	XXX	XXX	XXX	90
Maternal causes, total	17	XXX	XXX	XXX	--	3	12	2	XXX	13
Puerperal septicemia	8	XXX	XXX	XXX	--	1	6	1	XXX	7
Puerperal toxemia	1	XXX	XXX	XXX	--	1	--	--	XXX	--
Communicable diseases, total	465	8	60	85	10	17	69	100	184	298
Acute respiratory diseases, total	200	8	49	58	4	3	12	16	107	121
Influenza	29	--	5	6	--	--	2	1	20	19
Pneumonia	171	8	44	52	4	3	10	15	87	102
Diphtheria	1	--	--	1	--	--	--	--	--	1
Dysentery—all forms	1	--	1	1	--	--	--	--	--	--
Encephalitis—infectious	1	--	--	--	--	--	--	1	--	--
Measles	8	--	2	6	2	--	--	--	--	4
Meningitis—meningococcus	5	--	1	5	--	--	--	--	--	4
Pertussis (whooping cough)	8	--	4	8	--	--	--	--	--	5
Poliomyelitis	4	--	--	1	1	2	--	--	--	2
Rheumatic fever	4	--	--	1	1	1	--	--	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	57	--	--	--	1	1	9	23	23	40
Tuberculosis—all forms	161	--	--	1	--	10	45	57	48	106
Pulmonary tuberculosis	154	--	--	1	--	8	43	56	46	101
Other communicable diseases	15	--	3	3	1	--	3	3	5	13
Accidents—all forms, total	581	1	13	40	31	90	120	112	186	354
Motor vehicle	190	--	--	4	15	42	68	29	32	123
Home	173	1	11	30	4	4	7	14	114	105
Occupational	85	XXX	XXX	XXX	1	13	25	41	5	46
Public	133	--	2	6	11	31	20	28	35	80
Arteriosclerosis	241	XXX	XXX	XXX	--	--	--	17	224	206
Cancer	942	--	--	3	4	10	66	322	537	528
Diabetes	173	--	--	--	1	3	6	54	109	104
Diseases of digestive system, total	297	4	23	36	9	4	17	91	140	177
Appendicitis	31	--	--	2	6	--	3	8	12	21
Cirrhosis of the liver	68	--	--	--	--	--	1	28	39	31
Diarrhea and enteritis	34	3	20	24	--	1	1	2	6	20
Hernia and intestinal obstruction	62	--	1	3	1	1	5	18	34	42
Ulcers of stomach or duodenum	27	--	--	--	--	--	2	13	12	13
Goiter—exophthalmic	6	--	--	--	--	1	--	1	4	4
Heart disease, total	2,485	--	--	3	6	15	83	573	1,805	1,553
Coronary	724	--	--	--	--	2	33	261	428	433
Chronic rheumatic	113	--	--	--	1	1	16	27	68	70
Homicide	16	--	--	1	--	2	7	3	3	9
Intracranial lesions of vascular origin	785	--	1	1	--	1	16	163	604	503
Nephritis	438	--	--	--	2	2	16	85	333	268
Prostatic disease	48	--	--	--	--	--	--	4	44	26
Suicide	65	XXX	XXX	XXX	--	2	13	33	17	50
ALL OTHER KNOWN CAUSES	417	5	28	40	10	18	48	102	199	269
CAUSE AS YET UNASSIGNED	3	--	--	--	--	1	1	--	1	3

\* Age not reported for 2 deaths.

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

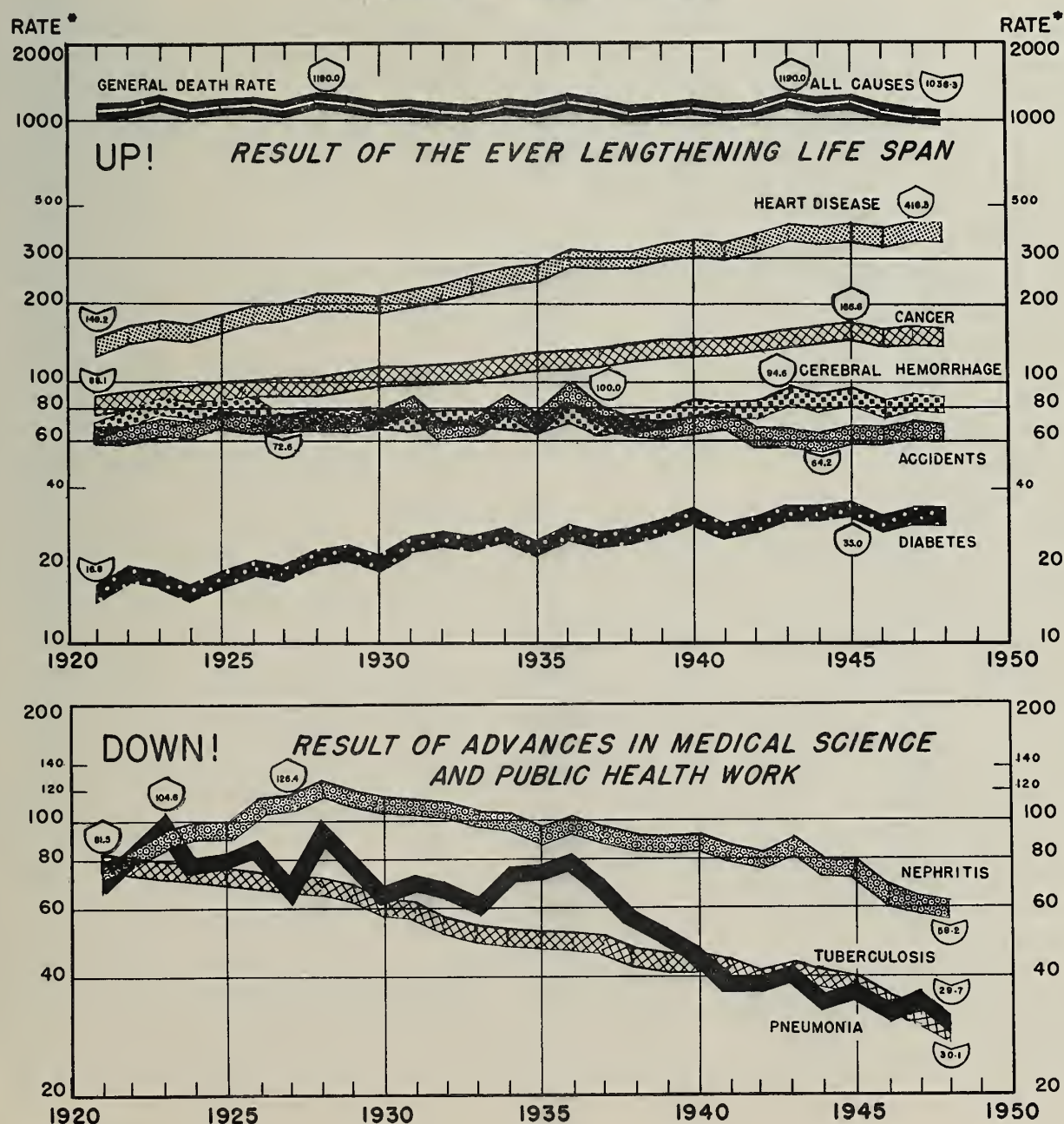
Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.



# HEALTH TRENDS IN ILLINOIS,

The tables which follow contain the principal vital statistics of the state for the years 1940 to 1948. (For morbidity and mortality in the state from 1921 - 1940, see Health Statistics Bulletin, 1947 Series, No. 4.) The birth and death figures represent all births and deaths that occurred in the state and were registered up to July, 1 of the year following the occurrence. (Exception: the 1948 figures are provisional, based on reports received before May 1, 1949). The figures on communicable disease cases cover all reports of notifiable diseases within the state. Tuberculosis figures since 1942 are not quite comparable to those for prior years, because in 1942 and later only new cases are counted. In 1942 a central register was established for screening out subsequent reports of the same case.

## THE TREND OF DEATH RATES FOR LEADING CAUSES ILLINOIS, 1921-1948



\*Deaths per 100,000 inhabitants of the state.

## BASIC HEALTH STATISTICS: ILLINOIS, 1940 - 1948

TABLE I. NUMBER OF BIRTHS, DEATHS, AND REPORTED CASES

(Deaths are those occurring within the State. Cases are those reported to Illinois health officers.)

	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948*
POPULATION (As of July 1)		7,906,514	7,943,608	7,904,164	7,593,255	7,630,000	7,721,000	8,028,453	8,397,000	8,670,000
LIVE BIRTHS		123,211	134,447	154,075	152,670	138,805	135,042	171,282	192,420	180,987
DEATHS - ALL CAUSES		88,233	85,552	86,707	90,714	87,144	89,204	88,429	92,398	89,850
MATERNAL AND INFANT DEATHS										
Maternal causes	140 - 150	359	331	292	309	254	251	230	200	148
Stillbirths		3,162	3,197	3,389	3,389	3,049	2,927	3,645	3,625	3,275
Neonatal deaths	All causes	2,961	3,146	3,548	3,409	3,023	2,958	3,916	4,185	3,705
Infant deaths	All causes	4,331	4,564	5,075	5,070	4,496	4,300	5,181	5,557	5,000
Premature birth	159	1,510	1,515	1,792	1,683	1,310	1,361	1,954	1,971	1,903
Diarrhea and enteritis (Under 2 yrs.)	119	199	259	234	260	191	204	181	170	168
EXTERNAL CAUSES										
Accidents - all forms	169 - 195	5,845	6,097	5,202	4,985	4,899	5,214	5,537	5,843	5,623
Motor vehicle accidents	170	2,315	2,566	1,650	1,283	1,317	1,547	1,825	1,942	1,919
Homicide	165 - 168	343	363	352	293	312	358	474	421	490
Suicide	163 - 164	1,154	1,043	937	812	755	846	937	954	874
GENERAL CAUSES										
Appendicitis	121	824	708	538	509	501	399	352	308	267
Arteriosclerosis	97	1,364	1,278	1,286	1,512	1,525	1,624	1,528	1,439	1,375
Cancer	45 - 55	11,310	11,590	11,815	12,142	12,482	12,865	12,909	13,446	13,674
Cerebral Hemorrhage †	83	6,744	6,594	6,736	7,186	6,759	7,235	7,057	7,421	7,125
Cirrhosis of the liver	124	862	844	908	884	866	895	981	1,159	1,188
Diabetes mellitus	61	2,632	2,283	2,448	2,558	2,605	2,700	2,543	2,736	2,784
Diarrhea and enteritis (Over 2 yrs.)	120	225	178	134	135	126	98	96	102	74
Diseases of infancy, total	157 - 161	3,073	3,269	3,698	3,616	3,307	3,201	4,167	4,438	4,038
Goiter	636	285	252	250	233	221	224	201	177	164
Heart Disease	90 - 95	27,614	27,005	29,126	31,322	30,680	31,891	31,422	34,235	33,787
Hernia and intestinal obstruction	122	764	810	793	817	833	760	732	703	655
Nephritis	130 - 132	7,241	6,835	6,539	6,840	6,107	6,132	5,593	5,237	5,048
Prostatic disease	137	614	560	588	634	650	558	585	579	525
Stomach, duodenal ulcers	117	559	651	583	620	619	594	538	604	633
COMMUNICABLE DISEASES										
Chickenpox-----Deaths	38e	3	6	6	3	6	8	6	3	6
Cases		18,053	16,167	13,618	12,648	16,498	10,510	11,717	14,272	15,926
Diphtheria-----Deaths	10	86	58	63	78	23	15	31	12	10
Cases		936	940	815	587	315	194	469	169	87
Dysentery-----Deaths	27	47	35	54	29	34	28	22	22	16
Cases †		202	256	453	152	204	324	236	326	502
Encephalitis-----Deaths	37	24	25	24	28	33	42	22	24	19
Cases		71	110	71	83	78	68	57	60	81
Influenza-----Deaths	33	645	510	373	630	521	342	242	243	132
Cases		1,124	1,402	608	2,096	1,439	1,018	345	1,125	172
Malaria-----Deaths	28	18	8	15	9	4	8	28	6	5
Cases		199	127	92	122	23	6	37	11	8
Measles-----Deaths	35	14	88	36	53	85	10	52	9	84
Cases		8,669	57,075	10,060	29,694	19,451	7,950	25,995	8,341	41,901
Meningitis (Meningococcus)-Deaths	6	14	17	27	151	186	134	75	45	55
Cases		50	69	90	793	996	611	363	204	214
Mumps-----Deaths	44c	4	2	5	3	4	3	1	--	2
Cases		6,409	13,063	7,388	7,108	6,268	7,205	5,290	6,492	11,749
Paratyphoid-----Deaths	2	3	2	--	1	1	1	1	1	3
Cases		19	14	11	13	9	9	10	6	10
Pneumonia, all forms-----Deaths	107 - 109	3,738	3,180	3,173	3,184	2,748	2,911	2,796	3,037	2,579
Cases		14,592	12,420	11,359	11,419	8,567	6,813	6,287	4,754	5,070
Poliomyelitis-----Deaths	36	54	22	34	152	34	93	171	26	65
Cases		581	374	487	1,576	560	1,104	2,554	860	1,104
Rabies-----Deaths	38b	1	1	1	1	2	2	--	--	--
Cases		1	1	1	1	2	3	2	--	--
Rheumatic fever (acute)-----Deaths	58	134	106	78	76	71	73	62	47	42
Cases ‡		#	#	#	#	399	275	320	186	157
Rocky Mt. spotted fever-----Deaths	39c	4	4	2	2	1	--	4	3	2
Cases		18	19	25	12	13	18	41	31	17
Scarlet fever-----Deaths	8	67	42	33	22	28	27	10	1	--
Cases		20,814	11,583	7,754	6,989	11,731	10,521	6,397	4,063	4,512
Smallpox-----Deaths	6	--	--	--	--	--	--	--	--	--
Cases		167	102	60	68	12	12	6	2	--
Tetanus-----Deaths	12	28	25	28	30	20	17	11	7	9
Cases		42	32	38	44	30	32	37	30	20
Tuberculosis, all forms-----Deaths	13 - 22	3,654	3,474	3,249	3,240	3,125	3,119	2,958	2,770	2,609
Cases		8,574	9,412	9,415	8,740	7,967	6,305	6,587	7,772	6,982
Tularemia-----Deaths	26a	23	6	1	1	10	6	9	2	2
Cases		272	106	67	55	91	131	98	124	57
Typhoid fever-----Deaths	1	33	18	18	10	12	9	9	9	3
Cases		310	280	233	121	102	87	106	139	93
Undulant fever-----Deaths	5	5	10	7	5	4	3	1	5	3
Cases		155	217	265	306	322	324	478	554	513
Whooping cough-----Deaths	9	65	90	95	98	42	53	30	41	26
Cases		6,411	7,707	11,759	7,459	3,194	4,106	5,431	4,795	2,202
VENERAL DISEASES										
Gonococcus infection-----Deaths	25	16	13	10	2	8	6	7	4	4
Cases		17,281	19,249	20,606	21,580	22,580	27,117	37,956	32,794	28,725
Syphilis-----Deaths	30	1,014	951	840	851	843	792	747	676	596
Cases		21,979	23,484	28,678	28,680	25,165	21,675	23,701	19,360	17,005

\* 1948 figures are provisional.

† Intracranial lesions of vascular origin.

‡ Amebiasis carriers, included in the dysentery group for 1945 to 1948.

§ The regulation requiring the reporting of cases of rheumatic fever in downstate Illinois only, went into effect July 1, 1943.

# Not available.



## BASIC HEALTH STATISTICS: ILLINOIS, 1940 - 1948

TABLE II. NATALITY, MORBIDITY, AND MORTALITY RATES

(Based on deaths occurring within the State and cases reported to Illinois health officers. The birth rate and the rate for Mortality all causes are per 1,000 population. Maternal and infant causes except Diarrhea and enteritis are per 1,000 live births. All other rates are per 100,000 population. Population estimated for each year as of July 1.)

	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948*
LIVE BIRTHS		15.6	16.9	19.5	20.1	18.2	17.5	21.3	22.9	20.9
DEATHS - ALL CAUSES		11.2	10.8	11.0	11.9	11.4	11.6	11.0	11.0	10.4
MATERNAL AND INFANT CAUSES										
Maternal causes	140 - 150	2.9	2.5	1.9	2.0	1.8	1.9	1.3	1.0	0.8
Stillbirths		25.7	23.8	22.0	22.2	22.0	21.7	21.3	18.8	18.1
Neonatal mortality	All causes	24.0	23.4	23.0	22.3	21.8	21.9	22.9	21.7	20.5
Infant mortality	All causes	35.2	33.9	32.9	33.2	32.4	31.8	30.2	28.9	27.6
Premature birth	159	12.3	11.3	11.6	11.0	9.4	10.1	11.4	10.2	10.5
Diarrhea and enteritis (Under 2 yrs.)	119	2.5	3.3	3.0	3.4	2.5	2.6	2.3	2.0	1.9
EXTERNAL CAUSES										
Accidents - all forms	169 - 195	73.9	76.8	65.8	65.7	64.2	67.5	69.0	69.6	64.9
Motor vehicle accidents	170	29.3	32.3	20.9	16.9	17.3	20.0	22.7	23.1	22.1
Homicide	165 - 168	4.3	4.6	4.5	3.9	4.1	4.6	5.9	5.0	5.7
Suicide	163 - 164	14.6	13.1	11.9	10.7	9.9	11.0	11.7	11.4	10.1
GENERAL CAUSES										
Appendicitis	121	10.4	8.9	6.8	6.7	6.6	5.2	4.4	3.7	3.1
Arteriosclerosis	97	17.3	16.1	16.3	19.9	20.0	21.0	19.0	17.1	15.9
Cancer	45 - 55	143.0	145.9	149.5	159.9	163.6	166.6	160.8	160.1	157.7
Cerebral hemorrhage †	83	85.3	83.0	85.2	94.6	88.6	93.7	87.9	88.4	82.2
Cirrhosis of the liver	124	10.9	10.6	11.5	11.6	11.3	11.6	12.2	13.8	13.7
Diabetes Mellitus	61	33.3	28.7	31.0	33.7	34.1	35.0	31.7	32.6	32.1
Diarrhea and enteritis (Over 2 yrs.)	120	2.8	2.2	1.7	1.8	1.7	1.3	1.2	1.2	0.9
Diseases of infancy, total	157 - 161	38.9	41.2	46.8	47.6	43.3	41.5	51.9	52.9	46.6
Goiter	63b	3.6	3.2	3.2	3.1	2.9	2.9	2.5	2.1	1.9
Heart Disease	90 - 95	349.3	340.0	368.5	412.5	402.1	413.0	391.4	407.7	389.7
Hernia and intestinal obstruction	122	9.7	10.2	10.0	10.8	10.9	9.8	9.1	8.4	7.6
Nephritis	130 - 132	91.6	86.0	82.7	90.1	80.0	79.4	69.7	62.4	58.2
Prostatic disease	137	7.8	7.0	7.4	8.3	8.5	7.2	7.3	6.9	6.1
Stomach, duodenal ulcers	117	7.1	8.2	7.4	8.2	8.1	7.7	6.7	7.2	7.3
COMMUNICABLE DISEASES										
Chickenpox-----Deaths	38e	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Cases		228.3	203.5	172.3	166.6	216.2	136.1	145.9	170.0	183.7
Diphtheria-----Deaths	10	1.1	0.7	0.8	1.0	0.3	0.2	0.4	0.1	0.1
Cases		11.8	11.8	10.3	7.7	4.1	2.5	5.8	2.0	1.0
Dysentery-----Deaths	27	0.6	0.4	0.7	0.4	0.4	4.2	0.3	0.3	0.2
Cases †		2.6	3.2	5.7	2.0	2.7	0.4	2.9	3.9	5.8
Encephalitis-----Deaths	37	0.3	0.3	0.3	0.4	0.4	0.5	0.3	0.3	0.2
Cases		0.9	1.4	0.9	1.1	1.0	0.9	0.7	0.7	0.9
Influenza-----Deaths	33	8.2	6.4	4.7	8.3	6.8	4.4	3.0	2.9	1.5
Cases		14.2	17.6	7.7	27.6	18.9	13.2	4.3	13.4	2.0
Malaria-----Deaths	28	0.2	0.1	0.2	0.1	0.1	0.1	0.3	0.1	0.1
Cases		2.5	1.6	1.2	1.6	0.3	0.1	0.5	0.1	0.1
Measles-----Deaths	35	0.2	1.1	0.5	0.7	1.1	0.1	0.6	0.1	1.0
Cases		109.6	718.5	127.3	391.1	254.9	102.7	323.8	99.3	483.3
Meningitis (Meningococcus)-Deaths	6	0.2	0.2	0.3	2.0	2.4	1.7	0.9	0.5	0.6
Cases		0.6	0.9	1.1	10.4	13.1	7.9	4.5	2.4	2.5
Mumps-----Deaths	44c	0.1	0.0	0.1	0.0	0.1	0.0	0.0	-0-	0.0
Cases		81.1	164.4	93.5	93.6	82.1	93.3	65.9	77.3	135.5
Paratyphoid-----Deaths	2	0.0	0.0	-0-	0.0	0.0	0.0	0.0	0.0	0.0
Cases		0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Pneumonia, all forms-----Deaths	107 - 109	47.3	40.0	40.1	41.9	36.0	37.7	34.8	36.2	29.7
Cases		184.6	156.4	143.7	150.4	112.3	88.2	78.3	56.6	58.5
Poliomyelitis-----Deaths	36	0.7	0.3	0.4	2.0	0.4	1.2	2.1	0.3	0.7
Cases		7.3	4.7	6.2	20.8	7.3	14.3	31.8	10.2	12.7
Rabies-----Deaths	38b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0-	-0-
Cases		0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0-	-0-
Rheumatic fever (acute)-----Deaths	58	1.7	1.3	1.0	1.0	0.9	0.9	0.8	0.6	0.5
Cases §		#	#	#	#	5.2	3.6	4.0	2.2	1.8
Rocky Mt. spotted fever-----Deaths	39c	0.1	0.1	0.0	0.0	0.0	-0-	0.0	0.0	0.0
Cases		0.2	0.2	0.3	0.2	0.2	0.2	0.5	0.4	0.2
Scarlet fever-----Deaths	8	0.8	0.5	0.4	0.3	0.4	0.3	0.1	0.0	0.0
Cases		263.3	145.8	98.1	92.0	153.7	136.3	79.7	48.4	52.0
Smallpox-----Deaths	6	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
Cases		2.1	1.3	0.8	0.9	0.2	0.2	0.1	0.0	-0-
Tetanus-----Deaths	12	0.4	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.1
Cases		0.5	0.4	0.6	0.6	0.4	0.4	0.5	0.4	0.2
Tuberculosis-----Deaths	13 - 22	46.2	43.7	41.1	42.7	41.0	40.4	36.8	33.0	30.1
Cases		108.4	118.5	119.1	115.1	104.4	81.7	82.0	92.6	80.5
Tularemia-----Deaths	26a	0.3	0.1	0.0	0.0	0.1	0.1	0.1	-0-	0.0
Cases		3.4	1.3	0.8	0.7	1.2	1.7	1.2	1.5	0.7
Typhoid fever-----Deaths	1	0.4	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.0
Cases		3.9	3.5	2.9	1.6	1.3	1.1	1.3	1.7	1.1
Undulant fever-----Deaths	5	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
Cases		2.0	2.7	3.4	4.0	4.2	4.2	6.0	6.6	5.9
Whooping cough-----Deaths	9	0.8	1.1	1.2	1.3	0.6	0.7	0.4	0.5	0.3
Cases		81.1	97.0	148.8	98.2	41.9	53.2	67.6	57.1	25.4
VENERAL DISEASES										
Gonococcus Infection-----Deaths	25	0.2	0.2	0.1	0.0	0.1	0.1	0.1	0.0	0.0
Cases		218.6	242.3	260.7	248.2	295.9	351.2	472.8	390.5	331.3
Syphilis-----Deaths	30	12.8	12.0	10.6	11.2	11.0	10.3	9.3	8.1	6.9
Cases		278.0	295.6	362.8	377.7	329.8	280.7	295.2	230.6	196.1

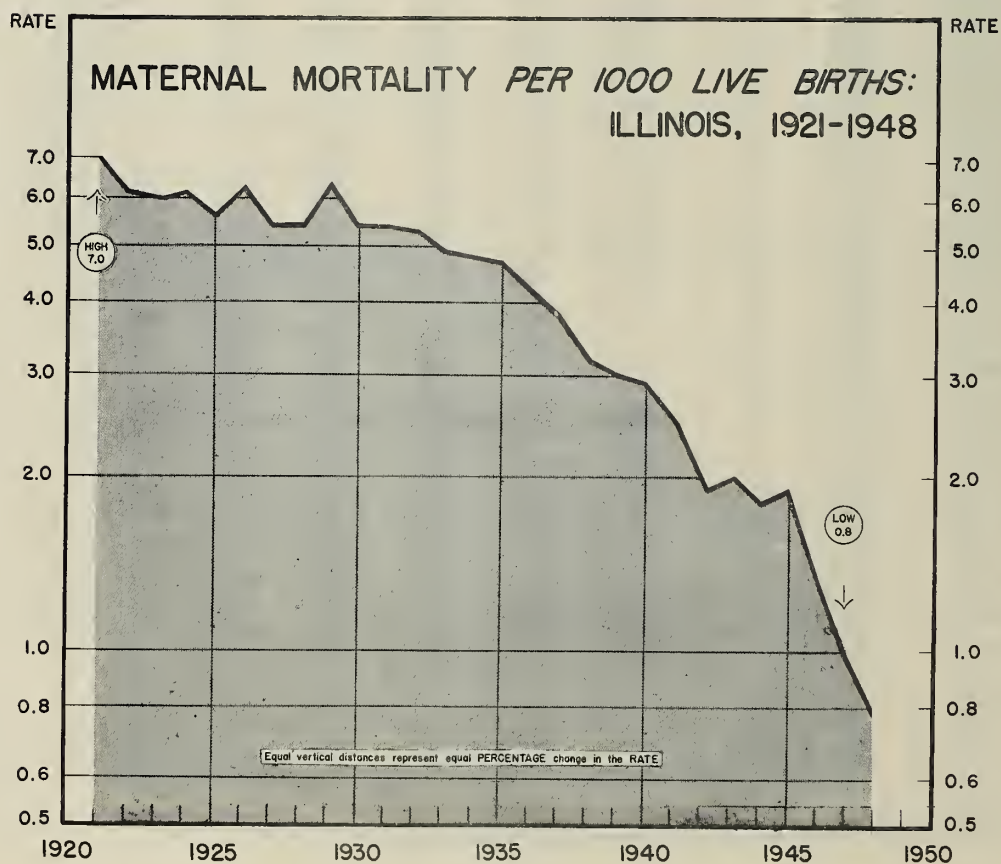
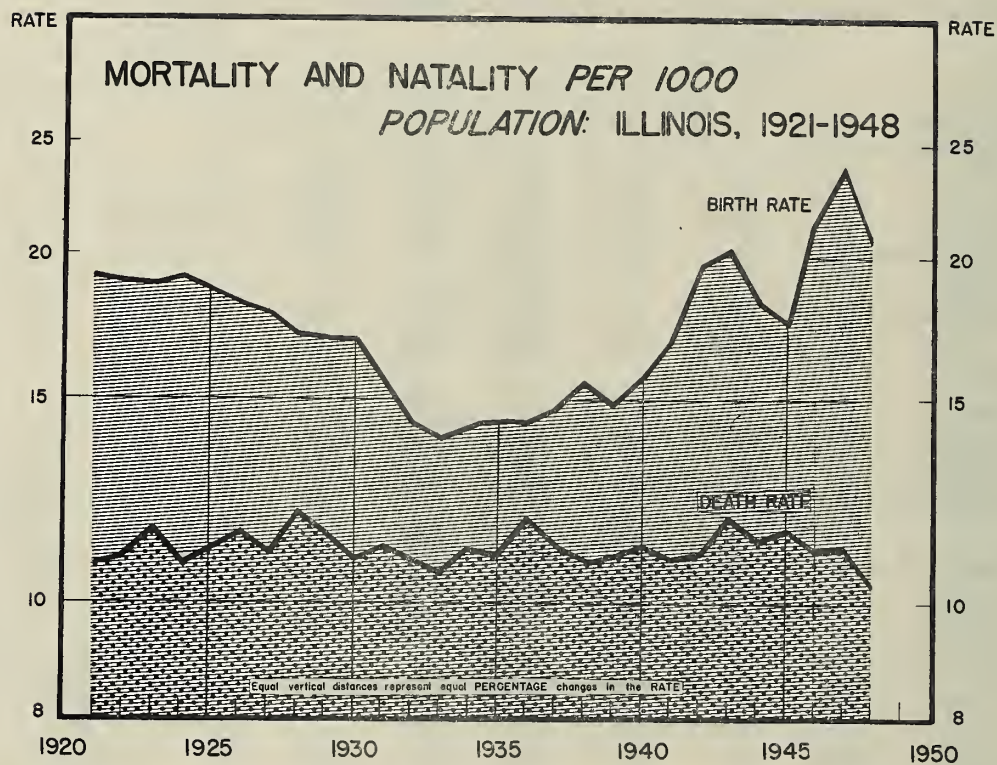
\* 1948 figures are provisional.

† Intracranial lesions of vascular origin.

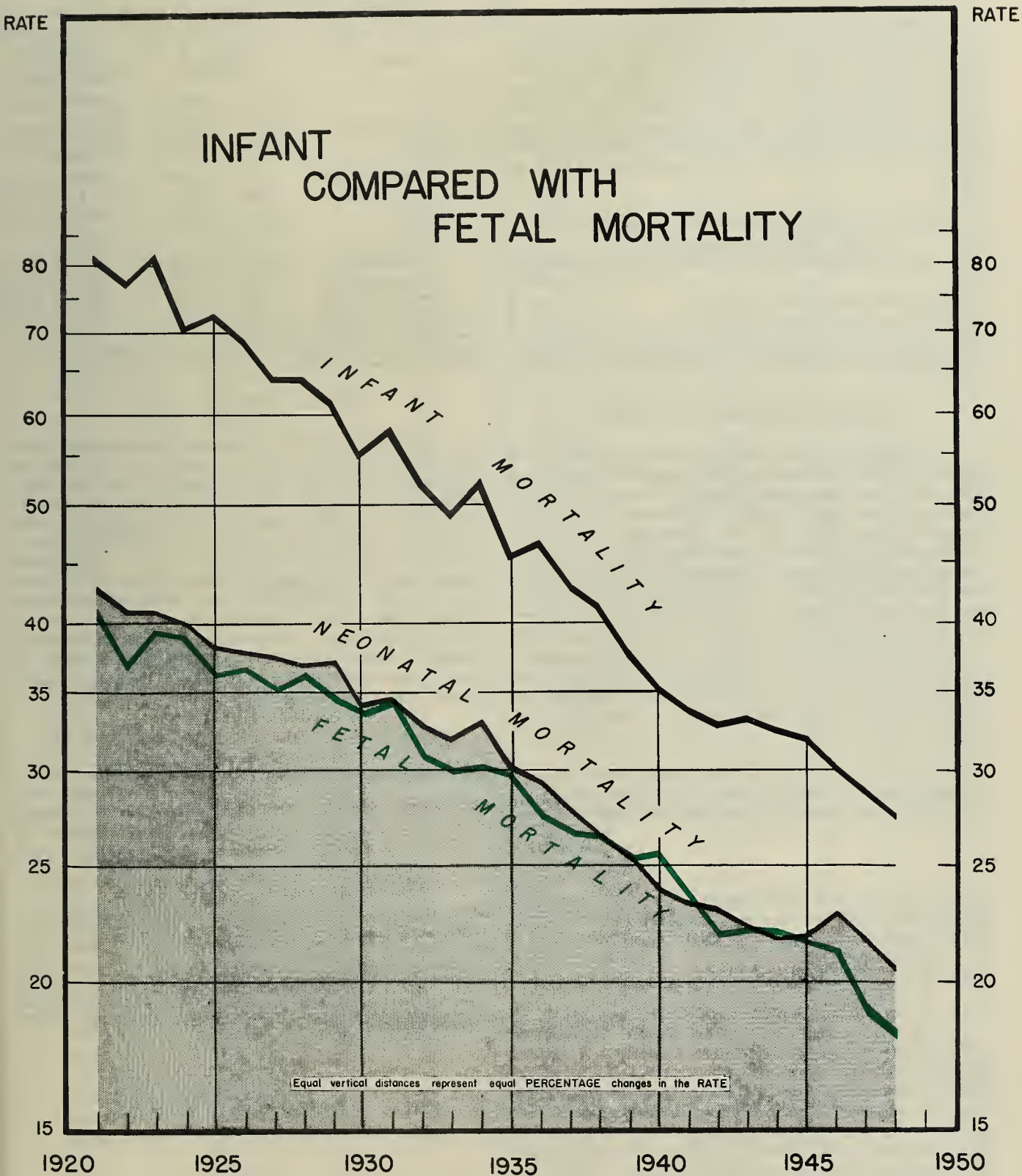
‡ Amebiasis carriers, included in the dysentery group for 1945 to 1948.

§ The regulation requiring the reporting of cases of rheumatic fever in downstate Illinois only, went into effect July 1, 1943.

# Not available.







# VITAL STATISTICS IN THE FIRST NINE MONTHS 1948

## LOW MORTALITY

There were 3,000 fewer deaths recorded from January through September of 1948 than during the same period of 1947 despite the fact that Illinois has more people now than at any time in her history. Consequently, the crude death rate for the nine month period is only 10.3 per thousand population. This represents a drop of 7 per cent from the rate of 11.1 for the corresponding period of 1947.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST NINE MONTHS

	1948	1947
LIVE BIRTHS per 1,000 population	20.4	23.0
DEATHS per 1,000 population	10.3	11.1

Note: Rates are expressed as their ANNUAL equivalents, based on estimates of Illinois' population as follows: May 15, 1948 - 8,635,875; May 15, 1947 - 8,350,932.

## SLIGHT INCREASE IN BIRTHS

During the first seven months of 1948, the birth rate was consistently and significantly lower than the corresponding monthly rates for 1947. However, the eighth and ninth months saw 1948 birth rates closing up on 1947 birth rates. We know that new family formation, as reflected by marriage rates, has leveled off at somewhat below the peak that led to the great 1947 boom in births. It also appears that the many new families formed after the war are beginning to have their second and third children. There is reason to believe that the growth of new families started shortly after the end of the war plus the fact that prosperity has continued is responsible for the maintenance of birth rates at their present levels.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST NINE MONTHS

	Per 1,000 live births	
	1948	1947
FETAL MORTALITY (Stillbirths)	18.2	19.0
NEONATAL MORTALITY (under 1 month)	20.7	22.2
INFANT MORTALITY (under 1 year)	27.8	29.6
Premature birth	10.7	10.4
MATERNAL MORTALITY	1.0	1.1

The U. S. Bureau of the Census in August 1948 released estimates<sup>1</sup> of Illinois population that apparently represent a correction of earlier underestimates of the situation in Illinois. This upward adjustment exceeds the normal growth and as a result, vital statistics rates for the last half of 1948 tend to be generally lower than those for 1947 and the first six months of 1948. With this bias throughout the rates any diminution in a quoted rate must be interpreted with caution.

1. The State's population was estimated at 8,397,000 as of July 1, 1947, and 8,670,000 as of July 1, 1948.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST NINE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
1. Heart disease	25,011	25,646	386.2	409.5
2. Cancer	10,061	9,968	155.3	159.2
3. Cerebral hemorrhage*	5,227	5,539	80.7	88.4
4. All accidents	4,089	4,331	63.1	69.1
5. Nephritis	3,810	3,954	58.8	63.1
6. Diabetes	2,028	2,035	31.3	32.5
7. Influenza and pneumonia	1,983	2,507	30.6	40.0
8. Tuberculosis	1,978	2,140	30.5	34.2
9. Premature birth	1,411	1,497	21.8	23.9
10. Arteriosclerosis	1,002	1,091	15.5	17.4

\* Intracranial lesions of vascular origin

Note: Rates are expressed as their annual equivalents. For change in figures on accidents see footnote to Table D.

## POLIO MORTALITY UP

There were twice as many deaths from poliomyelitis in the first nine months of 1948 than in the same period of 1947. However, the 39 deaths recorded during the first nine months of 1948 is less than one-third the total of 121 deaths from polio for 1946, the most recent epidemic year. However, in 1948 there was a wider geographic distribution of the disease than in 1947. In the first nine months of 1948 there has been one or more deaths from polio recorded in each of the six regions of the state, whereas in 1947 both Region 3 (Peoria Metropolitan Area) and Region 5 (East St. Louis Metropolitan Area) escaped having a single death during the period.

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST NINE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
ALL ACCIDENTS	4,089	4,331	63.1	69.1
Motor vehicle	1,389	1,327	21.4	21.2
Home accidents	1,326	1,377	20.5	22.0
Occupational	370	529	5.7	8.4
Public accidents	1,004	1,098	15.5	17.5

Note: Rates are expressed as their annual equivalents. The rates in this table have been corrected to include all coroner's permanent certificates (that supersede temporary certificates on which no cause of death is assigned) received up to May 1, 1949.



TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,  
FIRST NINE MONTHS, 1948  
(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,635,875	132,105	2,402	66,467	La Salle	106,936	1,730	45	800
Chicago	3,744,875	55,944	1,072	27,949	Lawrence	21,078	88	5	110
Downstate	4,891,000	76,161	1,330	38,518	Lee	37,322	534	10	353
					Livingston	41,514	552	13	342
Adams	71,100	1,207	16	629	Logan	31,784	394	7	306
Alexander	27,872	580	15	267	McDonough	28,919	515	11	249
Bond	14,510	19	--	60	McHenry	38,306	560	11	310
Boone	16,340	327	4	156	McLean	80,282	1,421	28	640
Brown	7,865	31	--	49	Macon	93,231	1,958	31	761
Bureau	37,901	568	10	283	Macoupin	46,830	213	6	291
Calhoun	7,983	54	1	37	Madison	165,022	2,854	55	1,249
Carroll	18,095	242	3	149	Marion	52,011	839	11	333
Cass	16,603	283	4	141	Marshall	13,197	7	--	46
Champaign	76,868	1,886	34	584	Mason	15,414	25	--	72
Christian	41,663	624	14	283	Massac	14,970	108	3	104
Clark	18,565	49	--	117	Menard	10,609	28	1	38
Clay	18,932	98	1	76	Mercer	17,628	12	2	77
Clinton	23,213	299	7	138	Monroe	12,660	7	--	63
Coles	41,841	731	12	315	Montgomery	37,134	700	11	362
Cook	4,533,731	68,400	1,269	34,375	Morgan	39,461	619	12	552
Crawford	21,361	320	4	199	Moultrie	13,462	23	1	97
Cumberland	11,441	31	1	67	Ogle	30,198	280	5	196
De Kalb	37,137	800	8	330	Peoria	169,848	3,525	52	1,527
De Witt	18,349	172	3	121	Perry	25,330	384	9	150
Douglas	17,758	287	8	135	Piatt	14,586	140	--	97
Du Page	114,684	1,433	21	736	Pike	25,080	292	2	176
Edgar	26,142	345	7	201	Pope	7,714	47	--	36
Edwards	8,951	45	--	51	Pulaski	15,868	107	2	117
Effingham	22,313	679	10	220	Putnam	5,289	2	--	13
Fayette	28,837	422	9	180	Randolph	34,006	509	6	227
Ford	15,134	203	1	97	Richland	18,288	488	10	226
Franklin	58,124	505	10	340	Rock Island	125,508	2,377	42	1,074
Fulton	48,067	616	14	335	St. Clair	184,872	3,086	59	1,431
Gallatin	11,410	102	1	57	Saline	41,370	727	9	300
Greene	20,311	331	7	110	Sangamon	129,715	2,480	40	1,215
Grundy	18,750	234	7	120	Schuyler	11,160	76	2	64
Hamilton	13,092	173	3	78	Scott	8,078	6	--	30
Hancock	26,106	139	2	157	Shelby	26,007	259	3	173
Hardin	7,720	97	1	44	Stark	8,842	2	--	27
Henderson	8,849	17	1	32	Stephenson	44,088	907	17	410
Henry	47,374	749	12	382	Tazewell	63,865	756	16	314
Iroquois	32,403	424	11	196	Union	21,526	312	9	354
Jackson	41,029	784	12	292	Vermilion	95,096	1,540	22	815
Jasper	13,009	35	--	61	Wabash	13,920	96	2	113
Jefferson	36,825	667	13	262	Warren	22,797	436	9	179
Jersey	13,742	43	2	78	Washington	15,538	31	1	68
Jo Daviess	19,975	32	1	141	Wayne	21,736	164	3	98
Johnson	10,424	74	1	62	White	20,066	162	1	130
Kane	144,066	3,373	46	1,626	Whiteside	46,992	883	14	309
Kankakee	66,614	1,089	19	1,108	Will	125,856	2,010	37	918
Kendall	11,089	3	--	73	Williamson	56,158	736	15	462
Knox	57,002	926	13	425	Winnebago	134,198	2,557	55	964
Lake	134,160	2,967	57	1,030	Woodford	19,180	26	2	94

\* Estimated population as of May 15, 1948.

TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST NINE MONTHS, 1948

(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	66,467	2,725	3,678	4,311	582	1,188	5,404	30,343	24,615	14,242
SELECTED CAUSES OF DEATH	63,427	2,670	3,488	4,024	488	1,064	4,892	29,449	23,490	13,556
Diseases of infancy, total	2,977	2,531	2,819	2,890	25	15	24	21	2	218
Premature birth	1,411	1,389	1,411	1,411	--	--	--	--	--	83
Maternal causes, total	134	XXX	XXX	XXX	--	39	90	5	--	13
Puerperal septicemia	41	XXX	XXX	XXX	--	9	31	1	--	3
Puerperal toxemia	26	XXX	XXX	XXX	--	7	18	1	--	3
Communicable diseases, total	4,724	103	423	623	110	180	924	1,497	1,390	1,359
Acute respiratory diseases, total	1,983	101	362	450	28	17	170	471	847	394
Influenza	102	--	15	23	--	2	8	15	54	28
Pneumonia	1,881	101	347	427	28	15	162	456	793	366
Diphtheria	7	--	--	2	--	2	1	--	2	2
Dysentery—all forms	8	--	2	3	--	--	1	--	4	2
Encephalitis—infectious	14	--	2	2	1	--	3	6	2	5
Measles	83	--	11	51	25	2	5	--	--	15
Meningitis—meningococcus	40	--	8	19	6	2	4	7	2	6
Pertussis (whooping cough)	23	--	15	23	--	--	--	--	--	6
Poliomyelitis	39	--	1	8	16	9	6	--	--	6
Rheumatic fever	34	--	--	4	13	6	6	4	1	4
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	445	2	3	3	--	3	59	227	153	191
Tuberculosis—all forms	1,978	--	13	49	17	135	651	764	362	715
Pulmonary tuberculosis	1,804	--	2	13	8	118	598	721	346	688
Other communicable diseases	70	--	6	9	4	4	18	18	17	13
Accidents—all forms, total	4,089	11	81	224	223	470	728	991	1,449	984
Motor vehicle	1,389	--	3	52	88	286	348	360	255	416
Home	1,326	6	68	140	47	25	87	190	834	247
Occupational	370	XXX	XXX	XXX	--	42	122	166	40	99
Public	1,004	5	10	32	88	117	171	275	320	222
Arteriosclerosis	1,002	XXX	XXX	XXX	--	--	2	75	925	466
Cancer	10,061	--	1	30	25	67	767	4,221	4,948	1,778
Diabetes	2,028	--	1	3	9	12	64	742	1,197	331
Diseases of digestive system, total	2,848	17	141	201	45	40	361	1,139	1,062	363
Appendicitis	185	1	1	10	17	14	34	64	46	8
Cirrhosis of the liver	866	1	11	14	3	1	139	414	295	136
Diarrhea and enteritis	174	13	99	117	3	4	13	10	27	30
Hernia and intestinal obstruction	491	--	17	27	7	4	36	179	238	58
Ulcers of stomach or duodenum	466	1	2	2	2	3	53	218	188	41
Goiter—exophthalmic	126	--	--	--	--	4	15	58	49	22
Heart disease, total	25,011	2	7	22	31	86	1,172	17,904	5,786	5,601
Coronary	6,319	--	--	--	2	11	311	2,709	3,282	1,578
Chronic rheumatic	1,129	--	--	2	18	34	220	433	422	230
Homicide	344	6	8	9	4	60	188	68	15	35
Intracranial lesions of vascular origin	5,227	--	4	9	3	20	158	1,440	3,595	1,298
Nephritis	3,810	--	3	13	12	40	220	943	2,582	840
Prostatic disease	381	--	--	--	--	--	--	52	329	42
Suicide	665	XXX	XXX	XXX	1	31	179	293	161	206
ALL OTHER KNOWN CAUSES	2,994	55	189	285	93	119	500	883	1,113	674
CAUSE AS YET UNASSIGNED	46	--	1	2	1	5	12	11	12	12

\* Age not reported for 24 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."



TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	37,809	1,587	2,101	2,418	285	589	3,442	13,481	17,586	2,621
SELECTED CAUSES OF DEATH	36,267	1,561	1,997	2,259	239	526	3,139	12,947	17,150	2,524
Diseases of infancy, total	1,713	1,471	1,633	1,665	11	8	16	13	--	111
Premature birth	846	831	846	846	xxx	xxx	xxx	xxx	xxx	56
Maternal causes, total	67	xxx	xxx	xxx	--	24	41	2	xxx	4
Puerperal septicemia	18	xxx	xxx	xxx	--	5	13	--	xxx	1
Puerperal toxemia	17	xxx	xxx	xxx	--	6	11	--	xxx	2
Communicable diseases, total	2,881	76	241	339	63	117	655	1,011	696	179
Acute respiratory diseases, total	1,173	75	214	262	18	8	122	333	430	81
Influenza	23	--	2	7	--	2	3	3	8	2
Pneumonia	1,150	75	212	255	18	6	119	330	422	79
Diphtheria	5	--	--	1	--	2	--	--	2	1
Dysentery—all forms	5	--	1	2	--	--	--	--	3	1
Encephalitis—infectious	8	--	1	1	--	--	2	4	1	1
Measles	21	--	1	11	10	--	--	--	--	--
Meningitis—meningococcus	26	--	6	12	5	1	3	4	1	3
Pertussis (whooping cough)	4	--	4	4	--	--	--	--	--	--
Poliomyelitis	11	--	1	1	4	3	3	--	--	1
Rheumatic fever	23	--	--	2	10	4	4	3	--	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	186	1	1	1	--	1	29	100	55	33
Tuberculosis—all forms	1,382	--	10	38	13	97	479	557	198	56
Pulmonary tuberculosis	1,251	--	2	10	4	85	440	525	187	50
Other communicable diseases	37	--	2	4	3	1	13	10	6	--
Accidents—all forms, total	1,948	4	42	111	96	163	311	582	684	158
Motor vehicle	591	--	--	24	33	88	128	193	125	60
Home	633	2	39	76	22	15	51	123	345	53
Occupational	154	xxx	xxx	xxx	--	10	42	86	16	10
Public	570	2	3	11	41	50	90	180	198	35
Arteriosclerosis	365	xxx	xxx	xxx	--	--	2	39	324	95
Cancer	6,041	--	--	14	12	31	480	2,814	2,689	305
Diabetes	1,229	--	1	2	4	8	30	513	672	67
Diseases of digestive system, total	1,693	6	68	100	26	21	255	758	533	100
Appendicitis	96	1	1	8	7	7	17	33	24	4
Cirrhosis of the liver	595	--	9	12	3	--	114	311	155	27
Diarrhea and enteritis	71	3	41	48	2	3	7	5	6	8
Hernia and intestinal obstruction	265	1	10	15	4	2	23	104	117	29
Ulcers of stomach or duodenum	300	--	1	1	2	2	35	144	116	13
Goiter—exophthalmic	85	--	--	--	--	4	11	42	28	8
Heart disease, total	14,835	--	2	8	17	44	846	5,420	8,496	1,139
Coronary	3,068	--	--	--	--	3	173	1,525	1,365	226
Chronic rheumatic	647	--	--	1	13	20	156	283	174	29
Homicide	255	4	5	5	2	50	140	49	9	4
Intracranial lesions of vascular origin	2,530	--	3	6	2	11	93	886	1,531	168
Nephritis	2,077	--	2	9	6	28	167	632	1,235	146
Prostatic disease	196	--	--	--	--	--	--	33	163	13
Suicide	352	xxx	xxx	xxx	--	17	92	153	90	27
ALL OTHER KNOWN CAUSES	1,518	26	104	159	45	59	293	528	433	93
CAUSE AS YET UNASSIGNED	24	--	--	--	1	4	10	6	3	4

\* Age not reported for 8 deaths.

Chicago Metropolitan Area (Region 1)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.

Counties: Cook, Du Page, Kane, Lake and Will.

(See masthead for map of state by Regions.)

TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,104	284	390	471	87	146	482	1,751	4,163	3,409
SELECTED CAUSES OF DEATH	6,757	275	371	443	71	128	413	1,672	4,026	3,228
Diseases of infancy, total	325	263	304	317	5	1	1	1	--	148
Premature birth	138	137	138	138	xxx	xxx	xxx	xxx	xxx	52
Maternal causes, total	8	xxx	xxx	xxx	--	3	5	--	xxx	4
Puerperal septicemia	3	xxx	xxx	xxx	--	1	2	--	xxx	1
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Communicable diseases, total	553	7	40	64	11	19	90	173	196	339
Acute respiratory diseases, total	249	6	33	46	2	2	19	65	115	144
Influenza	11	--	2	3	--	--	3	2	3	3
Pneumonia	238	6	31	43	2	2	16	63	112	141
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	3	--	1	1	--	--	1	--	1	2
Encephalitis—infectious	3	--	1	1	1	--	1	--	--	2
Measles	8	--	2	4	1	1	2	--	--	3
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	1
Poliomyelitis	10	--	--	4	3	2	1	--	--	5
Rheumatic fever	1	--	--	--	--	--	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	91	1	1	1	--	--	12	52	26	67
Tuberculosis—all forms	177	--	--	3	3	14	52	54	51	110
Pulmonary tuberculosis	170	--	--	2	3	13	50	53	49	110
Other communicable diseases	8	--	1	2	1	--	1	1	3	4
Accidents—all forms, total	460	2	17	30	34	61	79	74	181	230
Motor vehicle	153	--	--	4	17	37	37	27	31	82
Home	177	--	13	21	6	3	11	18	117	88
Occupational	46	xxx	xxx	xxx	--	5	22	12	7	27
Public	84	2	4	5	11	16	9	17	26	33
Arteriosclerosis	122	xxx	xxx	xxx	--	--	--	7	115	55
Cancer	1,022	--	--	7	6	8	65	334	601	432
Diabetes	218	--	--	--	--	1	8	63	146	104
Diseases of digestive system, total	267	2	8	16	8	6	23	99	115	130
Appendicitis	22	--	--	1	4	3	3	7	4	8
Cirrhosis of the liver	65	--	1	1	--	--	3	32	29	33
Diarrhea and enteritis	22	1	6	10	1	--	3	3	5	15
Hernia and intestinal obstruction	43	--	--	--	1	--	5	14	23	25
Ulcers of stomach or duodenum	44	1	1	1	--	--	3	19	21	12
Goiter—exophthalmic	9	--	--	--	--	--	--	5	4	3
Heart disease, total	2,655	1	1	3	4	12	89	681	1,864	1,284
Coronary	875	--	--	--	--	1	40	329	504	350
Chronic rheumatic	111	--	--	--	1	4	16	34	56	49
Homicide	18	--	--	1	2	3	6	5	1	11
Intracranial lesions of vascular origin	640	--	1	3	1	5	12	125	494	260
Nephritis	342	--	--	2	--	5	13	64	258	168
Prostatic disease	45	--	--	--	--	--	--	2	43	20
Suicide	73	xxx	xxx	xxx	--	4	22	39	8	40
ALL OTHER KNOWN CAUSES	342	9	19	28	16	18	67	78	135	177
CAUSE AS YET UNASSIGNED	5	--	--	--	--	--	2	1	2	4

\* Age not reported for 4 deaths.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.



TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,744	76	101	113	12	32	136	460	991	712
SELECTED CAUSES OF DEATH	1,643	74	91	101	8	28	119	439	948	675
Diseases of infancy, total	85	72	80	82	--	--	1	2	--	34
Premature birth	38	37	38	38	XXX	XXX	XXX	XXX	XXX	13
Maternal causes, total	4	XXX	XXX	XXX	--	1	3	--	XXX	--
Puerperal septicemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Puerperal toxemia	1	XXX	XXX	XXX	--	--	1	--	XXX	--
Communicable diseases, total	129	1	5	9	2	1	14	42	61	78
Acute respiratory diseases, total	60	1	5	7	--	--	3	12	38	39
Influenza	3	--	1	1	--	--	--	--	2	2
Pneumonia	57	1	4	6	--	--	3	12	36	37
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	--	1	--	--	--	--	--	--
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--	--
Rheumatic fever	1	--	--	--	1	--	--	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	27	--	--	--	--	--	5	10	12	16
Tuberculosis—all forms	36	--	--	1	--	1	6	17	11	19
Pulmonary tuberculosis	34	--	--	1	--	1	6	15	11	19
Other communicable diseases	2	--	--	--	--	--	--	2	--	2
Accidents—all forms, total	138	--	--	4	4	22	26	31	51	58
Motor vehicle	41	--	--	--	--	16	10	11	4	16
Home	57	--	--	2	2	1	4	7	41	28
Occupational	12	XXX	XXX	XXX	--	2	5	5	--	3
Public	28	--	--	2	2	3	7	8	6	11
Arteriosclerosis	57	XXX	XXX	XXX	--	--	--	5	52	40
Cancer	237	--	--	--	1	--	16	87	133	80
Diabetes	51	--	--	--	--	--	2	15	34	14
Diseases of digestive system, total	72	1	6	6	--	1	9	23	33	25
Appendicitis	4	--	--	--	--	1	2	1	--	2
Cirrhosis of the liver	18	1	1	1	--	--	1	6	10	4
Diarrhea and enteritis	6	--	5	5	--	--	--	--	1	1
Hernia and intestinal obstruction	13	--	--	--	--	--	--	4	9	4
Ulcers of stomach or duodenum	18	--	--	--	--	--	4	10	4	7
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	1
Heart disease, total	587	--	--	--	1	1	32	168	385	238
Coronary	210	--	--	--	--	--	10	86	114	87
Chronic rheumatic	45	--	--	--	1	--	9	16	19	6
Homicide	8	--	--	--	--	--	4	3	1	4
Intracranial lesions of vascular origin	120	--	--	--	--	--	5	28	87	48
Nephritis	125	--	--	--	--	2	2	21	100	42
Prostatic disease	9	--	--	--	--	--	--	2	7	4
Suicide	19	XXX	XXX	XXX	--	--	5	11	3	9
ALL OTHER KNOWN CAUSES	100	2	10	12	4	4	17	20	43	36
CAUSE AS YET UNASSIGNED	1	--	--	--	--	--	--	1	--	1

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.  
 Counties: Peoria and Tazewell.

TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	10,805	420	573	697	101	158	602	2,358	6,885	5,428
SELECTED CAUSES OF DEATH	10,218	414	549	654	84	138	538	2,219	6,582	5,119
Diseases of infancy, total	467	397	442	453	4	3	2	3	2	221
Premature birth	223	220	223	223	xxx	xxx	xxx	xxx	xxx	98
Maternal causes, total	25	xxx	xxx	xxx	--	5	19	1	xxx	16
Puerperal septicemia	6	xxx	xxx	xxx	--	--	6	--	xxx	4
Puerperal toxemia	6	xxx	xxx	xxx	--	--	5	1	xxx	5
Communicable diseases, total	578	10	68	115	21	13	66	125	238	262
Acute respiratory diseases, total	267	10	57	70	5	4	10	29	149	123
Influenza	32	--	6	7	--	--	1	3	21	19
Pneumonia	235	10	51	63	5	4	9	26	128	104
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	3	--	--	--	--	--	--	2	1	1
Measles	39	--	3	25	10	1	3	--	--	13
Meningitis—meningococcus	4	--	1	3	1	--	--	--	--	2
Pertussis (whooping cough)	8	--	5	8	--	--	--	--	--	5
Poliomyelitis	5	--	--	2	2	--	1	--	--	5
Rheumatic fever	5	--	--	2	2	--	1	--	--	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	80	--	1	1	--	1	4	39	35	39
Tuberculosis—all forms	157	--	1	4	1	5	45	53	49	66
Pulmonary tuberculosis	141	--	--	--	1	4	40	48	48	63
Other communicable diseases	10	--	--	--	--	2	2	2	4	6
Accidents—all forms, total	704	2	7	35	43	73	122	124	306	418
Motor vehicle	247	--	--	13	16	50	65	59	44	154
Home	257	2	6	15	12	1	14	17	197	138
Occupational	61	xxx	xxx	xxx	--	6	19	22	14	40
Public	139	--	1	7	15	16	24	26	51	86
Arteriosclerosis	210	xxx	xxx	xxx	--	--	--	6	204	98
Cancer	1,568	--	1	6	2	17	96	524	922	768
Diabetes	319	--	--	1	2	1	16	90	209	167
Diseases of digestive system, total	435	3	25	35	4	4	44	138	210	192
Appendicitis	31	--	--	1	1	2	5	12	10	17
Cirrhosis of the liver	103	--	--	--	--	--	14	36	53	39
Diarrhea and enteritis	33	3	19	21	--	--	2	--	10	15
Hernia and intestinal obstruction	93	--	4	8	2	--	4	30	49	38
Ulcers of stomach or duodenum	65	--	--	--	--	1	9	28	27	33
Goiter—exophthalmic	19	--	--	--	--	--	3	6	10	11
Heart disease, total	3,853	1	4	7	4	8	93	819	2,921	1,920
Coronary	1,278	--	--	--	1	2	42	415	818	641
Chronic rheumatic	185	--	--	1	2	5	21	49	107	107
Homicide	22	1	1	1	--	2	12	5	2	7
Intracranial lesions of vascular origin	1,061	--	--	--	--	3	16	203	839	563
Nephritis	754	--	1	1	3	3	19	118	610	363
Prostatic disease	80	--	--	--	--	--	--	8	72	42
Suicide	123	xxx	xxx	xxx	1	6	30	49	37	71
ALL OTHER KNOWN CAUSES	578	6	24	43	17	20	61	137	300	307
CAUSE AS YET UNASSIGNED	9	--	--	--	--	--	3	2	3	2

\* Age not reported for 4 deaths.

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.



TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,  
FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,518	123	162	185	29	52	210	674	1,367	905
SELECTED CAUSES OF DEATH	2,420	118	152	173	29	49	201	650	1,317	873
Diseases of infancy, total	122	109	117	119	--	1	1	1	--	42
Premature birth	61	60	61	61	XXX	XXX	XXX	XXX	XXX	23
Maternal causes, total	4	XXX	XXX	XXX	--	1	3	--	XXX	--
Puerperal septicemia	2	XXX	XXX	XXX	--	1	1	--	XXX	--
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	178	3	14	20	6	10	35	48	59	70
Acute respiratory diseases, total	65	3	8	10	--	1	5	14	35	32
Influenza	9	--	--	--	--	--	--	6	3	3
Pneumonia	56	3	8	10	--	1	5	8	32	29
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	5	--	2	3	2	--	--	--	--	4
Meningitis—meningococcus	3	--	--	1	--	--	--	1	1	1
Pertussis (whooping cough)	3	--	2	3	--	--	--	--	--	1
Poliomyelitis	6	--	--	--	4	2	--	--	--	4
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	15	--	--	--	--	--	1	6	8	7
Tuberculosis—all forms	78	--	1	2	--	7	29	26	14	20
Pulmonary tuberculosis	70	--	--	--	--	7	24	25	14	19
Other communicable diseases	3	--	1	1	--	--	--	1	1	1
Accidents—all forms, total	188	2	7	17	18	23	33	41	56	81
Motor vehicle	76	--	1	4	10	15	16	17	14	27
Home	61	1	5	9	1	2	3	11	35	36
Occupational	20	XXX	XXX	XXX	--	3	9	8	--	4
Public	31	1	1	4	7	3	5	5	7	14
Arteriosclerosis	53	XXX	XXX	XXX	--	--	--	2	51	29
Cancer	339	--	--	--	2	2	39	130	166	113
Diabetes	62	--	--	--	1	1	2	22	36	17
Diseases of digestive system, total	117	3	12	12	--	3	9	34	59	40
Appendicitis	4	--	--	--	--	--	3	1	--	1
Cirrhosis of the liver	32	--	--	--	--	1	3	12	16	10
Diarrhea and enteritis	13	3	11	11	--	--	--	--	2	4
Hernia and intestinal obstruction	18	--	--	--	--	--	1	8	9	7
Ulcers of stomach or duodenum	17	--	--	--	--	--	1	6	10	4
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	1
Heart disease, total	898	--	--	2	1	6	35	257	596	304
Coronary	225	--	--	--	1	2	15	104	103	71
Chronic rheumatic	40	--	--	--	--	3	6	16	15	9
Homicide	22	1	2	2	--	2	15	3	--	5
Intracranial lesions of vascular origin	238	--	--	--	--	--	11	61	166	101
Nephritis	147	--	--	1	1	--	8	32	105	53
Prostatic disease	15	--	--	--	--	--	--	2	13	3
Suicide	35	XXX	XXX	XXX	--	--	10	16	9	14
ALL OTHER KNOWN CAUSES	96	5	9	11	--	3	9	24	49	31
CAUSE AS YET UNASSIGNED	2	--	1	1	--	--	--	--	1	1

\* Age not reported for 1 death.

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.  
Counties: Madison and St. Clair.

TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	5,196	200	291	355	53	118	315	1,181	3,169	3,247
SELECTED CAUSES OF DEATH	4,911	195	271	327	46	106	283	1,117	3,028	3,059
Diseases of infancy, total	214	184	203	210	2	1	1	--	--	128
Premature birth	86	86	86	86	XXX	XXX	XXX	XXX	XXX	55
Maternal causes, total	17	XXX	XXX	XXX	--	2	13	2	XXX	12
Puerperal septicemia	10	XXX	XXX	XXX	--	1	8	1	XXX	8
Puerperal toxemia	1	XXX	XXX	XXX	--	1	--	--	XXX	--
Communicable diseases, total	333	7	47	66	6	13	45	74	129	203
Acute respiratory diseases, total	138	7	39	47	3	--	7	10	71	76
Influenza	24	--	4	5	--	--	1	1	17	15
Pneumonia	114	7	35	42	3	--	6	9	54	61
Diphtheria	1	--	--	1	--	--	--	--	--	1
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	8	--	2	6	2	--	--	--	--	4
Meningitis—meningococcus	3	--	1	3	--	--	--	--	--	2
Pertussis (whooping cough)	6	--	3	6	--	--	--	--	--	3
Poliomyelitis	3	--	--	1	1	1	--	--	--	1
Rheumatic fever	3	--	--	--	--	2	--	--	1	3
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	42	--	--	--	--	1	7	18	16	29
Tuberculosis—all forms	119	--	--	--	--	8	29	44	38	76
Pulmonary tuberculosis	115	--	--	--	--	7	29	43	36	73
Other communicable diseases	10	--	2	2	--	1	2	2	3	8
Accidents—all forms, total	399	1	5	23	24	64	72	80	135	242
Motor vehicle	123	--	--	4	10	30	39	21	19	73
Home	125	1	4	16	4	3	4	11	87	78
Occupational	55	XXX	XXX	XXX	--	10	15	27	3	31
Public	96	--	1	3	10	21	14	21	26	60
Arteriosclerosis	189	XXX	XXX	XXX	--	--	--	16	173	167
Cancer	653	--	--	2	1	6	44	231	369	366
Diabetes	117	--	--	--	1	1	4	32	79	69
Diseases of digestive system, total	201	3	16	24	6	3	10	62	96	123
Appendicitis	22	--	--	--	5	--	3	6	8	15
Cirrhosis of the liver	45	--	--	--	--	--	1	14	30	24
Diarrhea and enteritis	24	3	14	18	--	1	1	1	3	12
Hernia and intestinal obstruction	46	--	1	2	--	1	2	16	25	33
Ulcers of stomach or duodenum	14	--	--	--	--	--	--	7	7	6
Goiter—exophthalmic	4	--	--	--	--	--	--	1	3	3
Heart disease, total	1,814	--	--	2	4	12	57	422	1,315	1,128
Coronary	541	--	--	--	--	2	25	193	320	323
Chronic rheumatic	83	--	--	--	1	1	11	24	46	49
Homicide	7	--	--	--	--	1	3	1	2	4
Intracranial lesions of vascular origin	568	--	--	--	--	1	12	117	437	356
Nephritis	319	--	--	--	2	--	10	55	252	201
Prostatic disease	29	--	--	--	--	--	--	3	26	17
Suicide	47	XXX	XXX	XXX	--	2	12	21	12	40
ALL OTHER KNOWN CAUSES	281	5	20	27	7	12	32	64	139	185
CAUSE AS YET UNASSIGNED	4	--	--	1	--	--	--	--	2	3

\* Age not reported for 5 deaths.

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.



# VITAL STATISTICS IN THE FIRST SIX MONTHS 1948

## DECLINE IN BIRTHS

The birth rate continued its gradual decline in receding from 20.9 average annual live births per 1,000 population in the first quarter of 1948 to 19.3 during the second quarter of 1948. This brought the average birth rate over the first six months of the year to 20.1—thirteen percent below the average for the first half of 1947.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST SIX MONTHS

	1948	1947
LIVE BIRTHS per 1,000 population	20.1	23.1
DEATHS per 1,000 population	11.1	11.7

Note: Rates are expressed as their annual equivalents, based on estimates of Illinois' population as follows: April 1, 1948—8,291,656; April 1, 1947—8,172,864.

## MORTALITY IMPROVEMENTS

There were fewer deaths from all causes in the first half of 1948 than in the same period of 1947. However, the recent high birth rates have made the young child population increase much faster than the older part of the population. This tends to lower the general death rate because children have a low death rate as compared to the rest of the population. Actually, there is no evidence of any substantial decrease in mortality, when stage of life is taken into account.

Maternal mortality declined from 1.1 deaths per thousand live births during the first quarter of 1948 to 0.8 deaths per thousand live births in the second quarter. The low frequency of maternal deaths, however, makes it hazardous to attach real significance to these changes in rate. The important fact is that the continuance of a maternal rate at approximately one death for every thousand births indicates that the risk of childbearing has been permanently reduced to levels that were only dreamed of not so many years ago.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST SIX MONTHS

	Per 1,000 live births	
	1948	1947
FETAL MORTALITY (Stillbirths)	18.2	19.6
NEONATAL MORTALITY (under 1 month)	20.6	22.8
INFANT MORTALITY (under 1 year)	29.4	31.3
Premature birth	10.9	10.7
MATERNAL MORTALITY	1.0	1.1

## C. D. DEATHS STILL GOING DOWN

The death rate for almost every communicable disease during the first half of 1948 has been as low or lower than its corresponding rate for the first half of 1947. The largest mortality reductions were found in influenza, pneumonia, and tuberculosis. There were only eighteen deaths from

whooping cough in the first half of 1948 as compared to twenty-six for the first half of 1947. This improvement is most marked for the less than year old babies because in 1947 about four out of five whooping cough deaths were under one year of age while in 1948 it was only two out of three.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST SIX MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
Heart disease	17,632	18,009	425.3	440.7
Cancer	6,652	6,630	160.5	162.2
Cerebral hemorrhage*	3,607	3,809	87.0	93.2
Nephritis	2,659	2,759	64.1	67.5
All accidents	2,724	2,747	65.7	67.2
Influenza and pneumonia	1,485	2,027	35.8	49.6
Diabetes	1,402	1,413	33.8	34.6
Tuberculosis	1,353	1,448	32.6	35.4
Premature birth	904	1,005	21.8	24.6
Arteriosclerosis	671	760	16.2	18.6

\* Intracranial lesions of vascular origin

Note: Rates are expressed as their annual equivalents. For change in figures on accidents see footnote to Table D.

Only two of the communicable diseases took a greater toll during the first half of 1948 than during the same period of 1947. Measles mortality was higher due to the recent epidemic and the 25 deaths from acute rheumatic fever from January to June of 1948 were 8 more than in the same period of 1947.

Mortality from the ten leading causes of death in the first half of 1948 has been quite consistently lower for each disease than in the same months of 1947. The significance of this situation is as yet difficult to assess. Health conditions in 1947 were not markedly different from those in 1948, except for the somewhat higher incidence of upper respiratory diseases in the early months of 1947.

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST SIX MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
ALL ACCIDENTS	2,724	2,747	65.7	67.2
Motor vehicle	861	829	20.8	20.3
Home accidents	970	967	23.4	23.6
Occupational	245	358	5.9	8.8
Public accidents	648	593	15.6	14.5

Note: Rates are expressed as their annual equivalents. The rates in this table have been corrected to include all coroner's permanent certificates (that supersede temporary certificates on which no cause of death is assigned) received up to May 1, 1949.

TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,  
FIRST SIX MONTHS, 1948  
(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,291,656	83,288	1,512	45,964	La Salle	101,873	1,092	25	550
Chicago	3,613,883	35,225	696	19,414	Lawrence	21,445	65	3	79
Downstate	4,677,773	48,063	816	26,550	Lee	35,554	329	5	241
					Livingston	39,549	332	7	242
Adams	67,734	752	10	447	Logan	30,279	263	2	216
Alexander	26,552	350	8	189	McDonough	27,550	340	6	168
Bond	14,698	11	--	40	McHenry	38,316	357	9	202
Boone	15,568	215	2	110	McLean	76,483	907	18	437
Brown	8,042	21	--	33	Macon	88,818	1,252	20	508
Bureau	38,487	372	4	211	Macoupin	47,786	140	4	207
Calhoun	8,091	35	--	27	Madison	157,210	1,766	28	866
Carroll	18,332	155	1	98	Marion	49,550	529	5	245
Cass	16,854	173	3	97	Marshall	13,377	7	--	35
Champaign	73,229	1,209	19	400	Mason	15,658	19	--	49
Christian	39,690	384	8	194	Massac	15,293	70	3	71
Clark	18,950	30	--	84	Menard	10,795	19	1	23
Clay	19,148	64	1	53	Mercer	17,908	10	1	63
Clinton	23,412	186	6	93	Monroe	12,854	5	--	43
Coles	39,860	462	8	228	Montgomery	35,376	431	5	256
Cook	4,320,742	43,195	802	23,822	Morgan	37,593	401	6	381
Crawford	21,698	196	4	134	Moultrie	13,606	15	1	74
Cumberland	11,621	20	1	52	Ogle	30,392	168	2	113
De Kalb	35,380	544	5	224	Peoria	161,808	2,186	35	1,029
De Witt	18,657	109	3	87	Perry	24,130	252	4	108
Douglas	17,923	176	4	88	Piatt	14,864	83	--	67
Du Page	109,255	878	15	492	Pike	25,528	195	2	124
Edgar	24,904	202	5	132	Pope	7,880	35	--	27
Edwards	9,080	28	--	32	Pulaski	16,197	58	--	72
Effingham	22,371	432	7	144	Putnam	5,367	1	--	10
Fayette	29,320	266	7	125	Randolph	34,651	306	3	164
Ford	15,219	129	1	58	Richland	17,422	303	7	159
Franklin	55,372	307	6	245	Rock Island	119,712	1,504	30	766
Fulton	45,791	411	13	235	St. Clair	176,656	1,896	39	1,009
Gallatin	11,493	66	--	33	Saline	39,412	447	7	220
Greene	20,607	208	4	74	Sangamon	123,574	1,506	26	824
Grundy	18,881	144	5	73	Schuyler	11,427	41	2	49
Hamilton	13,262	111	2	49	Scott	8,235	4	--	23
Hancock	26,761	89	2	102	Shelby	26,366	152	2	129
Hardin	7,764	53	1	35	Stark	8,939	--	--	20
Henderson	9,030	13	1	23	Stephenson	42,001	584	11	287
Henry	45,132	476	8	268	Tazewell	60,842	486	13	216
Iroquois	32,729	271	8	138	Union	21,767	195	4	229
Jackson	39,086	473	9	216	Vermilion	90,593	974	14	551
Jasper	13,251	23	--	42	Wabash	14,080	63	2	83
Jefferson	35,082	398	8	169	Warren	21,718	267	5	123
Jersey	13,843	27	2	57	Washington	15,846	17	1	54
Jo Daviess	20,289	17	--	96	Wayne	21,911	96	1	68
Johnson	10,603	39	1	42	White	20,254	87	1	81
Kane	137,246	2,201	31	1,112	Whiteside	44,766	544	8	219
Kankakee	63,460	695	8	766	Will	119,898	1,293	17	643
Kendall	11,192	2	--	43	Williamson	53,500	472	9	312
Knox	54,305	597	9	291	Winnebago	127,844	1,620	36	676
Lake	127,864	1,869	38	684	Woodford	19,343	20	2	66

\* Estimated population as of April 1, 1948.



TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST SIX MONTHS, 1948

(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	45,964	1,719	2,448	2,908	395	763	3,654	14,033	24,193	9,837
SELECTED CAUSES OF DEATH	43,293	1,680	2,287	2,661	308	620	3,188	13,255	23,247	9,228
Diseases of infancy, total	1,908	1,593	1,802	1,849	18	9	13	17	2	152
Premature birth	904	890	904	904	xxx	xxx	xxx	xxx	xxx	53
Maternal causes, total	83	xxx	xxx	xxx	--	25	55	3	xxx	7
Puerperal septicemia	27	xxx	xxx	xxx	--	6	20	1	xxx	3
Puerperal toxemia	13	xxx	xxx	xxx	--	2	11	--	xxx	1
Communicable diseases, total	3,371	64	324	479	76	119	630	1,053	1,014	990
Acute respiratory diseases, total	1,485	62	276	342	21	10	129	351	632	304
Influenza	91	--	14	22	--	2	8	13	46	24
Pneumonia	1,394	62	262	320	21	8	121	338	586	280
Diphtheria	7	--	--	2	--	2	1	--	2	2
Dysentery—all forms	4	--	1	1	--	--	1	--	2	1
Encephalitis—infectious	10	--	2	2	1	--	--	5	2	3
Measles	82	--	11	50	25	2	5	--	--	14
Meningitis—meningococcus	29	--	6	15	4	2	2	4	2	4
Pertussis (whooping cough)	18	--	12	18	--	--	--	--	--	5
Poliomyelitis	4	--	--	2	--	1	1	--	--	2
Rheumatic fever	25	--	--	4	10	3	4	4	--	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	311	2	3	3	--	3	41	156	108	139
Tuberculosis—all forms	1,353	--	9	34	12	93	436	522	256	506
Pulmonary tuberculosis	1,226	--	2	7	4	79	396	496	244	487
Other communicable diseases	43	--	4	6	3	3	10	11	10	8
Accidents—all forms, total	2,433	6	51	130	125	238	402	586	950	551
Motor vehicle	716	--	--	21	43	142	178	193	139	206
Home	905	5	47	94	34	18	57	127	573	165
Occupational	223	xxx	xxx	xxx	--	21	72	102	28	68
Public	589	1	4	15	48	57	95	164	210	112
Arteriosclerosis	671	xxx	xxx	xxx	--	--	2	46	623	317
Cancer	6,652	--	--	18	17	39	540	2,784	3,251	1,144
Diabetes	1,402	--	1	3	5	11	44	514	824	233
Diseases of digestive system, total	1,943	13	95	142	29	29	244	776	723	252
Appendicitis	125	1	1	9	13	12	20	39	32	5
Cirrhosis of the liver	599	1	10	12	3	1	94	283	206	101
Diarrhea and enteritis	119	10	68	83	2	3	10	8	13	22
Hernia and intestinal obstruction	340	--	10	17	4	2	29	125	163	37
Ulcers of stomach or duodenum	334	--	--	--	1	2	41	149	141	31
Goiter—exophthalmic	85	--	--	--	--	3	9	39	34	16
Heart disease, total	17,632	1	4	18	24	57	802	5,536	11,189	3,902
Coronary	4,332	--	--	--	2	7	189	1,849	2,284	1,084
Chronic rheumatic	837	--	--	2	14	24	160	327	310	156
Homicide	172	3	4	4	1	29	95	31	12	16
Intracranial lesions of vascular origin	3,607	--	3	7	2	13	99	980	2,504	915
Nephritis	2,659	--	3	11	11	30	145	662	1,800	580
Prostatic disease	262	--	--	--	--	--	--	41	221	30
Suicide	413	xxx	xxx	xxx	--	18	108	187	100	123
ALL OTHER KNOWN CAUSES	2,063	33	142	214	66	81	328	602	771	464
CAUSE AS YET UNASSIGNED	608	6	19	33	21	62	138	176	175	145

\* Age not reported for 18 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST SIX MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	26,134	1,019	1,395	1,619	200	387	2,355	9,343	12,226	1,828
SELECTED CAUSES OF DEATH	24,780	1,002	1,312	1,488	157	311	2,074	8,873	11,874	1,741
Diseases of infancy, total	1,107	948	1,053	1,073	8	5	10	11	--	76
Premature birth	565	555	565	565	xxx	xxx	xxx	xxx	xxx	38
Maternal causes, total	40	xxx	xxx	xxx	--	16	22	2	xxx	3
Puerperal septicemia	11	xxx	xxx	xxx	--	4	7	--	xxx	1
Puerperal toxemia	10	xxx	xxx	xxx	--	2	8	--	xxx	1
Communicable diseases, total	2,007	46	179	252	51	78	437	707	482	126
Acute respiratory diseases, total	853	45	160	195	16	4	96	242	300	63
Influenza	21	--	2	7	--	2	3	3	6	2
Pneumonia	832	45	158	188	16	2	93	239	294	61
Diphtheria	5	--	--	1	--	2	--	--	2	1
Dysentery—all forms	2	--	1	1	--	--	--	--	1	1
Encephalitis—infectious	6	--	1	1	--	--	--	4	1	--
Measles	21	--	1	11	10	--	--	--	--	--
Meningitis—meningococcus	20	--	5	10	4	1	2	2	1	3
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	--
Poliomyelitis	1	--	--	--	--	--	1	--	--	--
Rheumatic fever	18	--	--	2	8	3	2	3	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	129	1	1	1	--	1	19	68	40	21
Tuberculosis—all forms	928	--	8	27	11	66	309	381	134	36
Pulmonary tuberculosis	836	--	2	6	3	56	283	363	125	31
Other communicable diseases	23	--	1	2	2	1	8	7	3	--
Accidents—all forms, total	1,167	2	26	61	50	77	169	341	469	99
Motor vehicle	292	--	--	8	14	41	64	95	70	31
Home	434	2	26	50	13	10	33	81	247	41
Occupational	88	xxx	xxx	xxx	--	4	22	52	10	6
Public	353	--	--	3	23	22	50	113	142	21
Arteriosclerosis	239	xxx	xxx	xxx	--	--	2	25	212	60
Cancer	3,988	--	--	9	8	19	340	1,848	1,763	198
Diabetes	841	--	1	2	2	8	19	355	455	48
Diseases of digestive system, total	1,163	5	46	70	17	15	177	517	367	67
Appendicitis	67	1	1	7	6	5	13	18	18	2
Cirrhosis of the liver	412	--	8	10	3	--	77	213	109	22
Diarrhea and enteritis	48	3	28	33	1	2	5	4	3	6
Hernia and intestinal obstruction	182	--	6	9	3	2	18	76	74	16
Ulcers of stomach or duodenum	220	--	--	--	1	1	27	100	91	9
Goiter—exophthalmic	56	--	--	--	--	3	5	29	19	5
Heart disease, total	10,488	--	1	7	13	29	591	3,838	6,009	811
Coronary	2,106	--	--	--	--	2	104	1,045	955	157
Chronic rheumatic	503	--	--	1	10	14	120	228	130	21
Homicide	120	1	2	2	1	24	68	19	6	3
Intracranial lesions of vascular origin	1,732	--	2	4	1	8	60	605	1,053	117
Nephritis	1,469	--	2	8	6	20	113	450	872	107
Prostatic disease	136	--	--	--	--	--	--	26	110	7
Suicide	227	xxx	xxx	xxx	--	9	61	100	57	14
ALL OTHER KNOWN CAUSES	1,040	13	75	118	28	40	195	364	294	62
CAUSE AS YET UNASSIGNED	314	4	8	13	15	36	86	106	58	25

\* Age not reported for 4 deaths.

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.  
Counties: Cook, Du Page, Kane, Lake and Will.



TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST SIX MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	4,907	165	255	309	60	88	319	1,207	2,921	2,371
SELECTED CAUSES OF DEATH	4,620	158	238	282	45	76	269	1,144	2,801	2,231
Diseases of infancy, total	201	151	188	196	3	1	--	1	--	101
Premature birth	79	79	79	79	xxx	xxx	xxx	xxx	xxx	30
Maternal causes, total	5	xxx	xxx	xxx	--	2	3	--	xxx	3
Puerperal septicemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	405	5	31	47	4	14	63	128	149	251
Acute respiratory diseases, total	193	4	25	34	--	1	11	52	95	109
Influenza	10	--	1	2	--	--	3	2	3	3
Pneumonia	183	4	24	32	--	1	8	50	92	106
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	2	--	--	--	--	--	1	--	1	1
Encephalitis—infectious	2	--	1	1	1	--	--	--	--	1
Measles	8	--	2	4	1	1	2	--	--	3
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	1
Polioomyelitis	2	--	--	1	--	1	--	--	--	--
Rheumatic fever	1	--	--	--	--	--	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	63	1	1	1	--	--	9	38	15	48
Tuberculosis—all forms	127	--	--	2	1	11	39	36	38	84
Pulmonary tuberculosis	121	--	--	1	1	10	37	35	37	84
Other communicable diseases	4	--	1	2	1	--	--	1	--	3
Accidents—all forms, total	277	1	13	19	22	30	43	47	115	139
Motor vehicle	92	--	--	1	11	20	18	21	21	50
Home	114	--	11	15	5	2	4	13	74	56
Occupational	30	xxx	xxx	xxx	--	3	15	8	4	19
Public	41	1	2	3	6	5	6	5	16	14
Arteriosclerosis	82	xxx	xxx	xxx	--	--	--	4	78	37
Cancer	682	--	--	4	5	5	43	214	410	277
Diabetes	152	--	--	--	--	1	6	42	103	77
Diseases of digestive system, total	178	1	5	11	7	5	15	64	76	96
Appendicitis	17	--	--	1	4	3	1	4	4	6
Cirrhosis of the liver	45	--	1	1	--	--	2	23	19	26
Diarrhea and enteritis	15	1	4	8	1	--	2	2	2	12
Hernia and intestinal obstruction	28	--	--	--	--	--	5	6	17	18
Ulcers of stomach or duodenum	27	--	--	--	--	--	2	12	13	7
Goiter—exophthalmic	5	--	--	--	--	--	--	3	2	1
Heart disease, total	1,862	--	--	1	3	6	66	473	1,312	905
Coronary	604	--	--	--	--	--	29	226	349	245
Chronic rheumatic	77	--	--	--	1	3	12	21	40	34
Homicide	7	--	--	--	--	2	3	1	1	3
Intracranial lesions of vascular origin	459	--	1	3	1	3	9	96	347	182
Nephritis	231	--	--	1	--	4	8	43	175	120
Prostatic disease	30	--	--	--	--	--	--	1	29	16
Suicide	44	xxx	xxx	xxx	--	3	10	27	4	23
ALL OTHER KNOWN CAUSES	240	7	16	23	13	10	45	51	98	118
CAUSE AS YET UNASSIGNED	47	--	1	4	2	2	5	12	22	22

\* Age not reported for 3 deaths.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST SIX MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,185	41	61	68	7	24	83	308	695	495
SELECTED CAUSES OF DEATH	1,115	39	54	60	5	19	74	292	665	468
Diseases of infancy, total	48	38	44	46	--	--	--	2	--	21
Premature birth	17	16	17	17	xxx	xxx	xxx	xxx	xxx	7
Maternal causes, total	3	xxx	xxx	xxx	--	--	3	--	xxx	--
Puerperal septicemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Communicable diseases, total	95	--	4	6	1	1	12	27	48	60
Acute respiratory diseases, total	50	--	4	5	--	--	3	9	33	33
Influenza	3	--	1	1	--	--	--	--	2	2
Pneumonia	47	--	3	4	--	--	3	9	31	31
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	--	1	--	--	--	--	--	--
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	1	--	--	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	21	--	--	--	--	--	4	7	10	14
Tuberculosis—all forms	21	--	--	--	--	1	5	10	5	11
Pulmonary tuberculosis	20	--	--	--	--	1	5	9	5	11
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	92	--	--	2	3	15	16	18	38	43
Motor vehicle	27	--	--	--	--	12	5	7	3	10
Home	43	--	--	2	2	1	3	3	32	24
Occupational	6	xxx	xxx	xxx	--	--	4	2	--	2
Public	16	--	--	--	1	2	4	6	3	7
Arteriosclerosis	40	xxx	xxx	xxx	--	--	--	2	38	29
Cancer	145	--	--	--	--	--	10	48	87	46
Diabetes	35	--	--	--	--	--	2	12	21	11
Diseases of digestive system, total	54	1	6	6	--	1	5	17	25	20
Appendicitis	2	--	--	--	--	1	--	1	--	1
Cirrhosis of the liver	15	1	1	1	--	--	1	5	8	3
Diarrhea and enteritis	6	--	5	5	--	--	--	--	1	1
Hernia and intestinal obstruction	9	--	--	--	--	--	--	3	6	3
Ulcers of stomach or duodenum	12	--	--	--	--	--	3	7	2	6
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	1
Heart disease, total	421	--	--	--	1	1	18	121	280	164
Coronary	154	--	--	--	--	--	6	65	83	66
Chronic rheumatic	28	--	--	--	1	--	3	11	13	3
Homicide	3	--	--	--	--	--	--	2	1	2
Intracranial lesions of vascular origin	80	--	--	--	--	--	4	18	58	35
Nephritis	82	--	--	--	--	1	1	16	64	31
Prostatic disease	5	--	--	--	--	--	--	2	3	1
Suicide	10	xxx	xxx	xxx	--	--	3	6	1	4
ALL OTHER KNOWN CAUSES	63	2	7	8	2	3	9	13	28	23
CAUSE AS YET UNASSIGNED	7	--	--	--	--	2	--	3	2	4

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.  
 Counties: Peoria and Tazewell.



TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST SIX MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,511	266	395	492	68	93	399	1,596	4,859	3,744
SELECTED CAUSES OF DEATH	7,027	261	371	454	52	75	350	1,489	4,604	3,476
Diseases of infancy, total	302	250	287	294	2	1	1	2	2	143
Premature birth	141	139	141	141	xxx	xxx	xxx	xxx	xxx	61
Maternal causes, total	16	xxx	xxx	xxx	--	3	13	--	xxx	12
Puerperal septicemia	5	xxx	xxx	xxx	--	--	5	--	xxx	4
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	xxx	1
Communicable diseases, total	436	5	56	99	14	11	46	80	186	197
Acute respiratory diseases, total	210	5	45	57	3	4	6	21	119	99
Influenza	26	--	6	7	--	--	1	2	16	15
Pneumonia	184	5	39	50	3	4	5	19	103	84
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	2	--	--	--	--	--	--	1	1	--
Measles	39	--	3	25	10	1	3	--	--	13
Meningitis—meningococcus	3	--	1	3	--	--	--	--	--	2
Pertussis (whooping cough)	7	--	5	7	--	--	--	--	--	4
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	4	--	--	2	1	--	1	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	53	--	1	1	--	1	3	24	24	25
Tuberculosis—all forms	111	--	1	4	--	4	31	33	39	49
Pulmonary tuberculosis	95	--	--	--	--	3	26	28	38	46
Other communicable diseases	7	--	--	--	--	1	2	1	3	4
Accidents—all forms, total	438	2	5	24	27	33	80	77	196	248
Motor vehicle	128	--	--	7	8	20	39	35	19	75
Home	186	2	4	12	10	1	12	13	137	98
Occupational	41	xxx	xxx	xxx	--	3	13	13	12	27
Public	83	--	1	5	9	9	16	16	28	48
Arteriosclerosis	146	xxx	xxx	xxx	--	--	--	4	142	72
Cancer	1,032	--	--	2	2	10	65	350	602	493
Diabetes	224	--	--	1	1	--	11	59	152	120
Diseases of digestive system, total	300	2	18	26	2	4	28	93	147	126
Appendicitis	19	--	--	1	--	2	1	9	6	10
Cirrhosis of the liver	68	--	--	--	--	--	10	21	37	24
Diarrhea and enteritis	23	2	15	17	--	--	2	--	4	10
Hernia and intestinal obstruction	69	--	2	5	1	--	2	21	40	28
Ulcers of stomach or duodenum	49	--	--	--	--	1	7	19	22	25
Goiter—exophthalmic	13	--	--	--	--	--	3	3	7	8
Heart disease, total	2,717	1	3	6	2	6	53	560	2,089	1,345
Coronary	867	--	--	--	1	2	20	287	557	431
Chronic rheumatic	125	--	--	1	1	3	14	34	72	69
Homicide	17	1	1	1	--	--	9	5	2	5
Intracranial lesions of vascular origin	720	--	--	--	--	1	8	133	578	380
Nephritis	537	--	1	1	2	3	14	86	431	253
Prostatic disease	51	--	--	--	--	--	--	5	46	27
Suicide	78	xxx	xxx	xxx	--	3	19	32	24	47
ALL OTHER KNOWN CAUSES	388	5	21	33	14	13	34	87	207	210
CAUSE AS YET UNASSIGNED	96	--	3	5	2	5	15	20	48	58

\* Age not reported for 4 deaths.

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Chrisitan, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,  
FIRST SIX MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,773	69	95	112	15	34	148	491	972	640
SELECTED CAUSES OF DEATH	1,670	67	87	101	15	30	134	464	925	605
Diseases of infancy, total	73	63	69	70	--	1	1	1	--	27
Premature birth	34	33	34	34	xxx	xxx	xxx	xxx	xxx	15
Maternal causes, total	4	xxx	xxx	xxx	--	1	3	--	xxx	--
Puerperal septicemia	2	xxx	xxx	xxx	--	1	1	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	127	1	10	13	2	5	29	39	39	46
Acute respiratory diseases, total	45	1	5	6	--	--	5	12	22	21
Influenza	8	--	--	--	--	--	--	5	3	3
Pneumonia	37	1	5	6	--	--	5	7	19	18
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	4	--	2	2	2	--	--	--	--	3
Meningitis—meningococcus	1	--	--	--	--	--	--	--	1	--
Pertussis (whooping cough)	3	--	2	3	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	9	--	--	--	--	--	--	5	4	3
Tuberculosis—all forms	62	--	--	1	--	5	24	21	11	17
Pulmonary tuberculosis	56	--	--	--	--	5	19	21	11	16
Other communicable diseases	3	--	1	1	--	--	--	1	1	1
Accidents—all forms, total	106	--	1	8	3	13	11	27	39	47
Motor vehicle	37	--	--	2	4	7	5	9	10	11
Home	38	--	1	3	1	1	1	8	24	25
Occupational	11	xxx	xxx	xxx	--	2	3	6	--	3
Public	20	--	--	3	3	3	2	4	5	8
Arteriosclerosis	38	xxx	xxx	xxx	--	--	--	2	36	23
Cancer	240	--	--	--	--	1	31	96	110	81
Diabetes	46	--	--	--	1	1	2	18	24	12
Diseases of digestive system, total	77	2	6	6	--	2	7	27	35	24
Appendicitis	4	--	--	--	--	--	3	1	--	1
Cirrhosis of the liver	24	--	--	--	--	1	2	10	11	8
Diarrhea and enteritis	6	2	5	5	--	--	--	--	1	1
Hernia and intestinal obstruction	13	--	--	--	--	--	1	6	6	4
Ulcers of stomach or duodenum	10	--	--	--	--	--	1	4	5	2
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	1
Heart disease, total	641	--	--	2	1	5	25	178	429	224
Coronary	161	--	--	--	1	1	11	69	79	58
Chronic rheumatic	32	--	--	--	--	3	5	10	14	8
Homicide	13	1	1	1	--	1	9	2	--	4
Intracranial lesions of vascular origin	167	--	--	--	--	--	6	37	124	73
Nephritis	107	--	--	1	1	--	5	26	74	32
Prostatic disease	11	--	--	--	--	--	--	2	9	2
Suicide	18	xxx	xxx	xxx	--	--	5	8	5	9
ALL OTHER KNOWN CAUSES	65	2	5	7	--	1	6	17	34	20
CAUSE AS YET UNASSIGNED	38	--	3	4	--	3	8	10	13	15

\* Age not reported for 1 death.

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.  
Counties: Madison and St. Clair.



TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST SIX MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,603	131	207	260	37	72	207	802	2,220	2,236
SELECTED CAUSES OF DEATH	3,333	127	188	234	29	57	179	739	2,092	2,058
Diseases of infancy, total	144	117	133	140	2	1	1	--	--	88
Premature birth	54	54	54	54	xxx	xxx	xxx	xxx	xxx	38
Maternal causes, total	8	xxx	xxx	xxx	--	--	7	1	xxx	6
Puerperal septicemia	7	xxx	xxx	xxx	--	--	6	1	xxx	5
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	249	7	39	56	4	7	30	52	100	150
Acute respiratory diseases, total	110	7	33	40	2	--	5	8	55	58
Influenza	23	--	4	5	--	--	1	1	16	14
Pneumonia	87	7	29	35	2	--	4	7	39	44
Diphtheria	1	--	--	1	--	--	--	--	--	1
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	8	--	2	6	2	--	--	--	--	4
Meningitis—meningococcus	2	--	--	2	--	--	--	--	--	1
Pertussis (whooping cough)	5	--	3	5	--	--	--	--	--	3
Poliomyelitis	1	--	--	1	--	--	--	--	--	1
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	33	--	--	--	--	1	6	12	14	23
Tuberculosis—all forms	83	--	--	--	--	5	19	31	28	54
Pulmonary tuberculosis	81	--	--	--	--	4	19	31	27	53
Other communicable diseases	6	--	1	1	--	1	--	1	3	5
Accidents—all forms, total	229	1	5	15	13	33	44	47	77	133
Motor vehicle	59	--	--	3	5	13	20	7	11	37
Home	81	1	4	11	3	3	4	9	51	45
Occupational	36	xxx	xxx	xxx	--	6	11	17	2	19
Public	53	--	1	1	5	11	9	14	13	32
Arteriosclerosis	122	xxx	xxx	xxx	--	--	--	9	113	105
Cancer	425	--	--	2	--	2	33	154	234	239
Diabetes	82	--	--	--	1	1	2	22	56	47
Diseases of digestive system, total	134	2	11	19	3	1	6	41	64	85
Appendicitis	10	--	--	--	3	--	1	2	4	7
Cirrhosis of the liver	31	--	--	--	--	--	--	10	21	16
Diarrhea and enteritis	18	2	9	13	--	1	1	1	2	11
Hernia and intestinal obstruction	35	--	1	2	--	--	2	13	18	25
Ulcers of stomach or duodenum	9	--	--	--	--	--	--	4	5	2
Goiter—exophthalmic	2	--	--	--	--	--	--	--	2	2
Heart disease, total	1,274	--	--	2	4	8	37	287	934	778
Coronary	370	--	--	--	--	1	15	127	226	223
Chronic rheumatic	59	--	--	--	1	1	6	13	38	37
Homicide	7	--	--	--	--	1	3	1	2	4
Intracranial lesions of vascular origin	402	--	--	--	--	1	5	80	315	251
Nephritis	203	--	--	--	2	--	4	30	167	135
Prostatic disease	23	--	--	--	--	--	--	3	20	11
Suicide	29	xxx	xxx	xxx	--	2	7	12	8	24
ALL OTHER KNOWN CAUSES	205	2	16	21	6	11	19	46	102	138
CAUSE AS YET UNASSIGNED	65	2	3	5	2	4	9	17	26	40

\* Age not reported for 5 deaths.

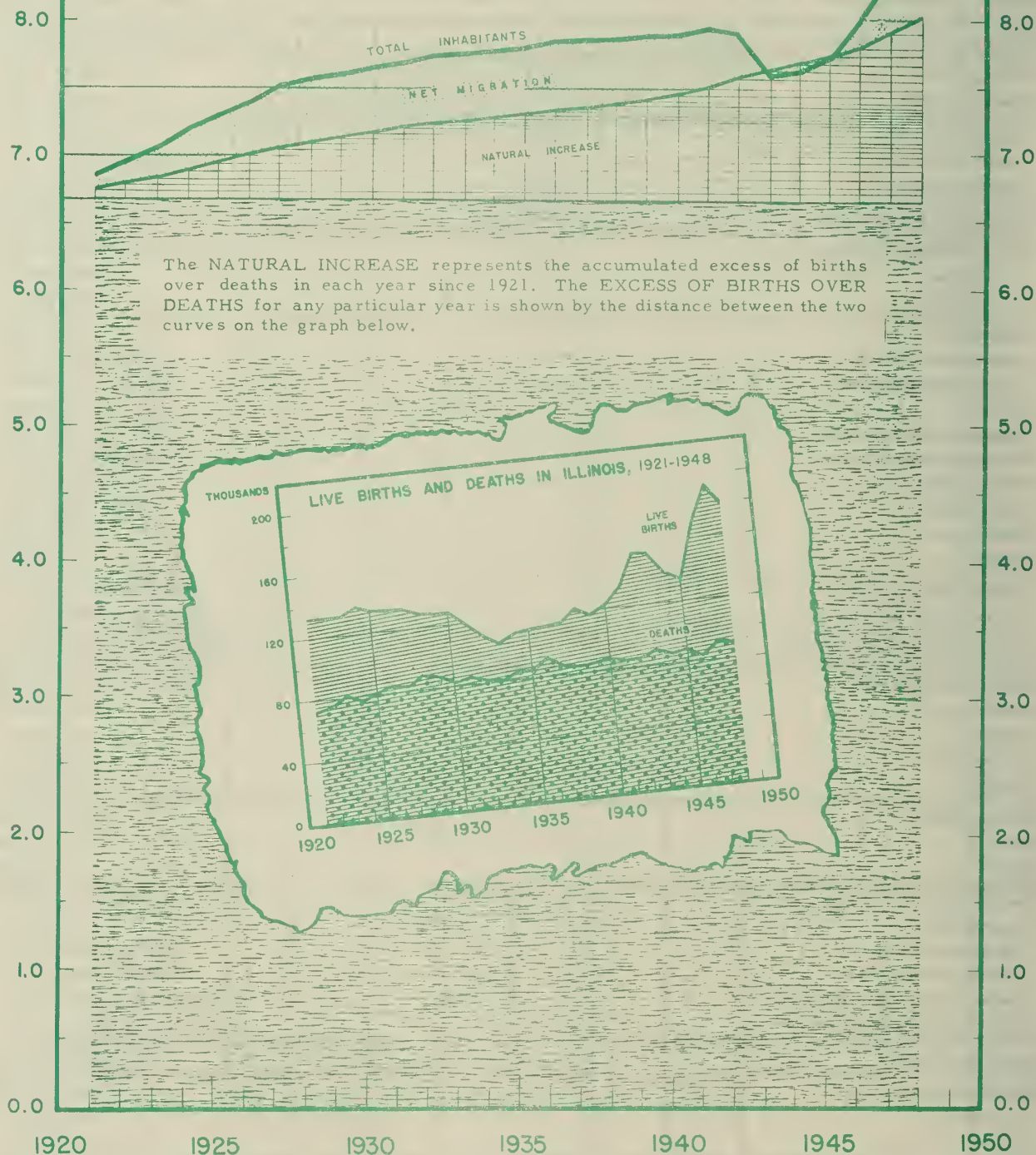
Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

MILLIONS

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## ILLINOIS' POPULATION, 1920-1948



## Health Statistics

### BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
 SPRINGFIELD, ILLINOIS  
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# Health Statistics BULLETIN

DIVISION OF VITAL STATISTICS AND RECORDS

1949 Series, Nos. 1,2,3,

Springfield, Illinois

February 20, 1950

FEB 27 1950

## BIRTH RATE HIGH FOR NINE MONTHS 1949 POLIO EPIDEMIC TAKES HEAVY TOLL

The average birth rate, for the first nine months of 1949, was 21.6 annual births per thousand population, slightly above the rate of 21.1 for the same period of 1948. The current high birth rate follows from the high marriage rate of recent years. Family formation proceeded at a rapid rate upon demobilization of the armed forces. At the same time high level employment and general prosperity gave additional stimulus to marriage and child bearing. High birth rates and high marriage rates have continued longer than was expected by many population experts. They believed that the high birth rates were a result of "catching up" with deferred family production and "borrowing" against future production.

TABLE A - BIRTH AND DEATH RATES FOR  
THE FIRST NINE MONTHS

	1949	1948
LIVE BIRTHS per 1,000 population	21.6	21.1
DEATHS per 1,000 population	10.7	10.6

Note: Rates are expressed as their annual equivalents, based on estimates of Illinois' population as follows: May 15, 1949--8,436,375; May 15, 1948--8,332,125.

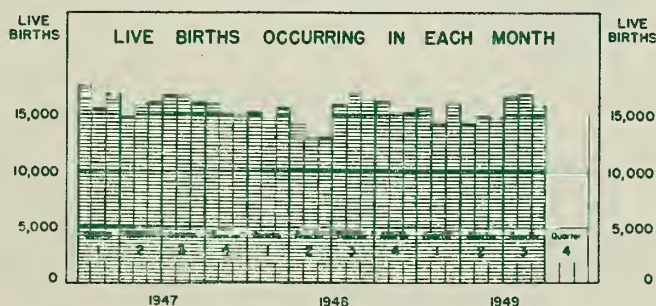
Only recently have the marriage rates begun to fall off appreciably. This would indicate that present high birth rates may be expected to drop somewhat in 1950. It is still questionable whether much diminution will take place even then, because it is currently estimated that marriage rates among eligible males (i.e., the single, widowed, and divorced at ages fifteen and over) are higher now than at any time prior to

1946. The outlook is that there will still be a big "baby crop" for the next year even though it is not a "bumper crop."

### POLIO EPIDEMIC

The month of July saw the beginning of a serious poliomyelitis epidemic in Illinois. The incidence of polio was highest in downstate counties, 83 per cent of the cases occurring among Illinois residents living outside the city of Chicago. Four downstate counties reported more than one hundred cases for the period July through September, 1949. These counties were Champaign with 133 cases, Marion with 126 cases, Knox with 118 cases, and Kane with 124 cases. There were 154 deaths from polio recorded in downstate Illinois from January to September, 1949, as compared to 81 such deaths for the same period of the 1946 epidemic.

The incidence of polio in Chicago was above average, with 381 cases reported, but was well below the 540 polio cases reported for the same period of the epidemic year of 1946. There were



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## STATE OF ILLINOIS

ADLAI E. STEVENSON  
GOVERNOR

## DEPARTMENT OF PUBLIC HEALTH

ROLAND R. CROSS, M.O.  
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**BULLETIN**

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O. K. SAGEN, PH.O., CHIEF  
DIVISION OF VITAL STATISTICS AND RECORDS

37 polio deaths recorded in Chicago, during the first nine months of 1949, as compared to 40 polio deaths recorded in the first nine months of 1946.

As in previous years, the present epidemic was characterized by a shift in the age distribution of fatal poliomyelitis with relatively fewer deaths among persons under twenty-four years of age. The following table gives the per cent of polio deaths in each age group for the first nine months of 1949 and for the same period of 1946.

	Percent In Each Age Group	
	First nine months 1949	First nine months 1948
All Ages	100.0	100.0
0-4 years	11.0	10.7
5-14 years	35.1	44.6
15-24 years	25.1	26.5
25-44 years	26.2	14.9
45-64 years	2.6	3.3
65 years & over	-0-	-0-

Natural increase (births minus deaths), in the first nine months of 1949, was 11.0 persons per thousand. While this is somewhat above the rate of 10.5 for the same period of 1948, it is well below the 12.2 for the same period of the record-breaking year 1947.

The mortality experience for the first nine months of 1949 was much like the very good record established in 1948. Tuberculosis mortality was only 29.3 per hundred thousand population, seven per cent below the rate for the first nine months of 1948. Mortality from upper respiratory disease was 34.3 per hundred thou-

sand population. This is slightly higher than the 1948 record but well below the 40.8 deaths per hundred thousand population recorded for the first nine months of 1947.

## NO CHANGE FOR HEART AND CANCER

The difference in the mortality figures for the two leading causes of death, heart and cancer, is no more than could be expected from chance alone. In the absence of reliable population figures for the various ages, it is impossible at present, to determine the risk of death at each age of life. However, the available evidence points to the fact that the severity of mortality from the two biggest killers is at least not increasing.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST NINE MONTHS

	Per 1,000 live births	
	1949	1948
FETAL MORTALITY (Stillbirths)	17.5	18.2
NEONATAL MORTALITY (under 1 month)	20.7	20.6
INFANT MORTALITY (under 1 year)	27.9	27.8
Premature birth	10.2	10.7
MATERNAL MORTALITY	0.8	1.0

Infant mortality from diarrhea and enteritis in Chicago has been much higher in 1949, than in 1948. A total of 87 infant deaths from diarrhea and enteritis were recorded in Chicago during the first nine months of 1949, an increase of 67 per cent over the number recorded in the same period of 1948. The increase occurred among infants being cared for in the home. In downstate Illinois, 70 infant deaths from this cause were recorded in each nine month period.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST NINE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
Heart disease	25,780	25,011	407.4	400.2
Cancer	10,254	10,061	162.1	161.0
Cerebral hemorrhage*	5,213	5,227	82.4	83.6
All accidents	3,705	4,089	58.6	65.4
Nephritis	3,564	3,810	56.3	61.0
Influenza and pneumonia	2,169	1,983	34.3	31.7
Diabetes	2,125	2,028	33.6	32.5
Tuberculosis	1,856	1,978	29.3	31.7
Premature birth	1,403	1,411	22.2	22.6
Arteriosclerosis	1,123	1,002	17.7	16.0

\* Intracranial lesions of vascular origin.

Note: Rates are expressed as their annual equivalents.



Among the less frequent causes of death we find two deaths from rabies in the first nine months of 1949, the first such deaths since July, 1946. Also, two deaths from scarlet fever in the first nine months broke the two year respite from fatal scarlet fever. There were six deaths from histoplasmosis in the period January-September, 1949, as compared to two deaths from this cause in the same period of 1948. This is not surprising in view of the heightened interest in this disease brought on by the mass survey techniques for tuberculosis case finding.

AUTO ACCIDENT DEATHS LOW

Some improvement has been recorded for the motor vehicle accident mortality experience in the current period. The motor vehicle accident death rate in the first nine months of 1949 was 17.4 per hundred thousand population as compared to 22.2 for the same period of 1948

and 21.6 for the like period of 1947. Fewer deaths were recorded for accidents occurring at work, the comparable rates being 4.8 per hundred thousand population in the first nine months of 1949 and 5.9 for the same period of 1948. No essential change was noted for mortality occurring from accidents in the home or in public places.

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST NINE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
ALL ACCIDENTS	3,705	4,089	58.6	65.4
Motor vehicle	1,103	1,389	17.4	22.2
Home accidents	1,335	1,326	21.1	21.2
Occupational	300	370	4.8	5.9
Public accidents	967	1,004	15.3	16.1

Note: Rates are expressed as their annual equivalents.

GAINS IN SAVING THE LIVES OF BABIES

In thirty years, the hazard of death in the first year of life has been reduced to less than thirty per cent of what it was in the years 1915-1918. The greatest saving has been among babies over one month old and with causes other than prematurity. Recently, some progress has been made in lowering the death rate from premature birth, as witnessed by a drop in mortality from 12.3 deaths per thousand live births in 1940 to 10.5 in 1948. Prematurity at birth, of course, remains as the chief cause of death in infancy.

There is evidence that the more extensive immunization of babies against whooping cough is having beneficial results. Only 16 infant deaths from whooping cough were recorded in 1948 as compared to 48 such deaths in 1940, despite the 50 per cent increase in the number of babies born in 1948 over 1940. While the figures are small, there is every reason to believe they are significant.

The program for the prevention of congenital syphilis has also shown gratifying results. In 1940 there were 20 infant deaths from congenital syphilis as compared to only 3 such deaths in 1948.

The great advances in therapy made possible by sulfa drugs and antibiotics, have contributed greatly to the reduction of infant mortality by limiting death from upper respiratory infections. In 1948, there were only 2.7 infant deaths per thousand live births from the acute respiratory diseases, not much more than half the rate of

5.1 in 1940.

Diarrhea and enteritis was second only to prematurity among the leading causes of infant mortality in 1921. Thanks to better sanitation and better infant care both in hospital and home, diarrhea and enteritis has dropped to fifth place among the most frequent causes of infant death. Some, but not much, reduction has taken place since 1940.

Success in preserving the lives of babies from hazards that arise after birth, has had the effect of increasing our concern over the conditions in fetal life which have always had such an important bearing on survival and healthy development after birth. Congenital malformations, of course, have remained a constant biological phenomenon. Birth injury as a cause of death has also held steady. With congenital malformations second only to premature birth, and with birth injury third among the principal causes of infant death, we now find that two-thirds of all deaths in the first year of life are due to conditions that arise previous to, or during, birth. This concentrates attention, as never before, on intra-uterine life. Coupled with this, arises an even broader question that is heard more and more frequently. "How can we prevent a greater part of the wastage of the products of conception?" The problem of answering this question poses difficulties that are almost matched by the troubles which our statistics will face in trying to measure progress in that area.

TABLE E - LEADING CAUSES OF INFANT MORTALITY OCCURRING IN ILLINOIS: 1940 - 1948

(Rates per 1,000 live births)

Int. List Number (5th revision)	Cause	1940	1941	1942	1943	1944	1945	1946	1947	1948
	All Causes	35.2	33.9	32.9	33.2	32.4	31.8	30.2	28.9	27.6
159	Premature birth	12.3	11.3	11.6	11.0	9.4	10.1	11.4	10.2	10.5
161a	Asphyxia	1.5	1.8	1.6	1.6	1.5	1.6	1.6	1.7	1.7
158	Congenital debility	0.4	0.2	0.3	0.2	0.4	0.2	0.2	0.1	0.1
1-44, 58, 106a, 107-109	Infectious and parasitic diseases, total	6.1	5.4	4.8	5.7	5.3	5.0	3.4	3.3	3.1
	Acute respiratory diseases	5.1	4.4	3.8	4.6	4.3	4.1	2.9	2.9	2.7
33a, b	Influenza	0.4	0.5	0.3	0.4	0.4	0.4	0.1	0.1	0.1
107-109	Pneumonia	4.4	3.7	3.4	4.1	3.8	3.7	2.7	2.7	2.5
106a	Acute bronchitis	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30f	Congenital syphilis	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
13a-22b	Tuberculosis, all forms	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1
13a-c	Pulmonary	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
22a	Acute miliary	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1
157a-m	Congenital malformations, total	5.3	5.3	5.3	5.5	6.2	5.6	5.1	5.2	4.8
157e	Congenital malf. of the heart	2.3	2.6	2.2	2.7	3.2	2.9	2.3	2.3	2.0
157g	Congenital malf. of the digestive system	0.9	1.0	0.8	0.8	0.8	0.9	1.0	0.9	1.0
157a	Congenital hydrocephalus	0.8	0.6	0.8	0.7	0.8	0.8	0.8	0.8	0.7
157b	Spina bifida	0.5	0.5	0.5	0.5	0.6	0.4	0.4	0.4	0.4
157c	Anencephalus	0.3	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
160a-c	Birth injuries, total	3.9	4.1	3.8	3.5	4.4	3.9	4.1	3.9	3.3
160a	Intracranial or spinal hemorrhage	2.7	2.8	2.3	1.8	2.3	1.9	2.2	2.2	2.0
160b	Other intracranial or spinal injuries	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
115-129	Diseases of the digestive system, total	1.8	2.2	1.8	1.9	1.7	1.7	1.3	1.2	1.1
119a, b	Diarrhea and enteritis, ulcerations	1.3	1.6	1.3	1.4	1.3	1.4	1.0	0.8	0.8
122	Hernia and intestinal obstructions	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.1
169-195e	Accidents, all forms, total	0.8	0.8	0.7	0.8	1.0	0.8	0.7	0.8	0.7
182	Mechanical suffocation	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.3
195d	Obstruction by ingested objects	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80-89	Diseases of the nervous system, total	0.6	0.6	0.7	0.6	0.4	0.4	0.4	0.4	0.4
89a	Otitis and other diseases of the ear	0.2	0.1	0.2	0.1	0.0	0.0	0.1	0.0	0.0
86	Convulsions	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
81a, b	Meningitis (not due to meningococcus)	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2
45-55	Cancer, total	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74a, b	Leukemia and aleukemia	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0



TABLE 1. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,  
FIRST NINE MONTHS, 1949

(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,436,375	136,909	2,397	67,589	La Salle	102,928	1,733	24	842
Chicago	3,631,095	57,832	1,188	28,068	Lawrence	21,548	52	1	94
Downstate	4,805,280	79,077	1,209	39,521	Lee	36,014	505	8	348
					Livingston	39,924	533	8	321
Adams	68,353	1,150	21	689	Logan	30,414	446	3	290
Alexander	26,686	538	14	237	McDonough	27,812	528	12	288
Bond	14,814	11	--	78	McHenry	39,156	599	10	358
Boone	15,758	370	1	155	McLean	77,504	1,452	26	696
Brown	8,051	20	--	56	Macon	90,643	2,027	30	770
Bureau	38,775	657	13	327	Macoupin	47,978	182	3	267
Calhoun	8,156	20	--	35	Madison	163,804	3,057	53	1,257
Carroll	18,520	252	6	119	Marion	50,015	881	12	374
Cass	17,008	263	4	125	Marshall	13,520	8	1	69
Champaign	75,857	2,017	29	557	Mason	15,798	28	--	71
Christian	40,161	716	13	291	Massac	15,258	135	1	140
Clark	18,965	53	2	125	Menard	10,896	23	--	43
Clay	19,393	123	2	68	Mercer	18,135	17	--	64
Clinton	23,814	306	8	155	Monroe	12,951	4	--	62
Coles	40,459	832	11	357	Montgomery	35,551	748	14	380
Cook	4,398,812	71,155	1,282	34,830	Morgan	37,740	629	10	648
Crawford	21,821	329	7	189	Moultrie	13,764	29	1	81
Cumberland	11,673	55	4	69	Ogle	30,876	287	2	189
De Kalb	36,034	746	11	310	Peoria	164,795	3,829	72	1,527
De Witt	18,764	184	--	147	Perry	24,348	355	3	156
Douglas	18,070	278	5	120	Piatt	15,028	132	2	56
Du Page	111,749	1,650	26	824	Pike	25,593	243	3	188
Edgar	25,066	308	3	221	Pope	7,861	46	2	44
Edwards	9,131	45	--	42	Pulaski	16,205	92	3	112
Effingham	22,765	488	13	223	Putnam	5,372	--	--	21
Fayette	29,588	412	8	169	Randolph	34,897	602	9	215
Ford	15,504	181	4	89	Richland	17,631	478	8	183
Franklin	55,750	532	10	296	Rock Island	122,238	2,555	36	1,128
Fulton	46,196	635	9	334	St. Clair	183,823	2,896	77	1,432
Gallatin	11,633	77	1	67	Saline	39,526	696	11	330
Greene	20,836	403	6	135	Sangamon	125,369	2,545	45	1,214
Grundy	19,190	242	4	110	Schuyler	11,467	83	--	50
Hamilton	13,376	177	3	87	Scott	8,317	13	--	23
Hancock	26,865	136	2	137	Shelby	26,558	235	3	168
Hardin	7,898	104	8	52	Stark	9,064	2	--	24
Henderson	9,110	10	--	37	Stephenson	42,416	914	15	387
Henry	45,616	747	11	356	Tazewell	62,584	782	11	337
Iroquois	33,197	411	5	205	Union	21,985	320	7	348
Jackson	39,548	749	20	301	Vermilion	91,440	1,548	26	815
Jasper	13,375	57	--	49	Wabash	14,220	104	2	94
Jefferson	35,644	777	13	305	Warren	22,002	415	9	209
Jersey	14,081	42	1	80	Washington	15,912	26	--	63
Jo Daviess	20,475	29	1	125	Wayne	22,230	150	--	108
Johnson	10,668	72	--	54	White	20,534	149	4	112
Kane	139,207	3,746	64	1,688	Whiteside	45,787	878	13	303
Kankakee	64,622	1,146	18	1,175	Will	121,661	2,141	38	952
Kendall	11,354	2	--	32	Williamson	53,796	621	8	461
Knox	54,943	939	13	447	Winnebago	130,935	2,773	47	978
Lake	133,538	3,174	48	1,132	Woodford	19,683	17	--	93

\* Estimated population as of May 15, 1949.

TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST NINE MONTHS, 1949

(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	67,589	2,837	3,813	4,419	560	1,059	5,286	20,542	35,707	3,042
SELECTED CAUSES OF DEATH	64,264	2,795	3,659	4,137	472	917	4,758	19,551	34,419	2,832
Diseases of infancy, total	3,041	2,623	2,894	2,955	15	16	31	17	6	42
Premature birth	1,403	1,388	1,403	1,403	xxx	xxx	xxx	xxx	xxx	15
Maternal causes, total	110	xxx	xxx	xxx	--	25	85	--	xxx	1
Puerperal septicemia	39	xxx	xxx	xxx	xxx	10	29	--	xxx	1
Puerperal toxemia	30	xxx	xxx	xxx	--	7	23	--	xxx	--
Communicable diseases, total	4,880	111	445	598	135	214	823	1,566	1,543	458
Acute respiratory diseases, total	2,169	107	392	476	30	20	159	485	998	66
Influenza	66	--	6	13	1	2	7	9	34	--
Pneumonia	2,103	107	386	463	29	18	152	476	964	66
Diphtheria	3	--	1	2	--	--	--	1	--	1
Dysentery—all forms	10	--	--	--	1	--	2	5	2	--
Encephalitis—infectious	13	--	--	--	--	--	1	8	4	--
Measles	7	--	2	4	1	1	--	1	--	--
Meningitis—meningococcus	39	--	7	19	6	1	3	7	3	--
Pertussis (whooping cough)	22	--	18	21	--	--	1	--	--	--
Poliomyelitis	191	--	2	21	67	48	50	5	--	12
Rheumatic fever	25	--	--	1	7	5	3	5	4	1
Scarlet fever	2	--	--	--	2	--	--	--	--	--
Syphilis	464	2	2	2	--	2	38	264	158	27
Tuberculosis—all forms	1,856	2	11	38	16	133	550	761	358	347
Pulmonary tuberculosis	1,719	2	5	10	6	119	522	728	334	340
Other communicable diseases	79	--	10	14	5	4	16	24	16	4
Accidents—all forms, total	3,705	19	95	233	184	337	668	888	1,392	315
Motor vehicle	1,103	--	6	53	69	202	288	285	206	164
Home	1,335	7	69	132	34	25	98	209	837	31
Occupational	300	xxx	xxx	xxx	2	25	105	129	39	31
Public	967	12	20	48	79	85	177	265	310	89
Arteriosclerosis	1,123	xxx	xxx	xxx	--	--	4	118	1,001	54
Cancer	10,254	1	4	27	38	52	772	4,209	5,156	532
Diabetes	2,125	--	2	5	4	20	62	768	1,266	59
Diseases of digestive system, total	2,981	37	203	270	41	39	377	1,163	1,091	147
Appendicitis	201	1	1	11	17	8	40	72	53	5
Cirrhosis of the liver	903	2	6	10	1	4	162	443	283	63
Diarrhea and enteritis	242	28	157	178	3	4	15	19	23	6
Hernia and intestinal obstruction	487	2	18	25	7	5	41	142	267	13
Ulcers of stomach or duodenum	500	2	6	7	2	2	46	251	192	26
Goiter—exophthalmic	115	--	--	--	--	2	11	58	44	4
Heart disease, total	25,780	3	7	18	32	90	1,178	8,021	16,437	862
Coronary	7,051	--	1	1	--	12	380	3,063	3,593	207
Chronic rheumatic	1,142	--	--	3	20	38	212	421	448	61
Homicide	291	1	2	6	4	40	161	68	12	8
Intracranial lesions of vascular origin	5,213	--	7	15	7	10	173	1,426	3,581	158
Nephritis	3,564	--	--	10	10	39	218	887	2,400	151
Prostatic disease	362	--	--	--	--	--	--	48	314	11
Suicide	720	xxx	xxx	xxx	2	33	195	314	176	30
ALL OTHER KNOWN CAUSES	3,027	41	147	268	79	102	463	919	1,194	160
CAUSE AS YET UNASSIGNED	298	1	7	14	9	40	65	72	94	50

\* Age not reported for 16 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."



TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	38,475	1,623	2,221	2,528	278	555	3,444	13,585	18,081	2,780
SELECTED CAUSES OF DEATH	36,878	1,603	2,140	2,382	237	479	3,141	13,038	17,598	2,634
Diseases of infancy, total	1,749	1,497	1,665	1,702	6	8	21	8	4	105
Premature birth	826	818	826	826	xxx	xxx	xxx	xxx	xxx	50
Maternal causes, total	55	xxx	xxx	xxx	--	13	42	--	xxx	2
Puerperal septicemia	18	xxx	xxx	xxx	--	5	13	--	xxx	--
Puerperal toxemia	13	xxx	xxx	xxx	--	3	10	--	xxx	1
Communicable diseases, total	3,072	78	291	372	69	143	596	1,083	809	198
Acute respiratory diseases, total	1,366	76	258	301	15	15	106	367	562	93
Influenza	16	--	1	2	--	2	3	3	6	1
Pneumonia	1,350	76	257	299	15	13	103	364	556	92
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	6	--	--	--	1	--	1	3	1	--
Encephalitis—infectious	8	--	--	--	--	--	--	5	3	1
Measles	2	--	--	1	1	--	--	--	--	--
Meningitis—meningococcus	26	--	5	14	4	--	2	5	1	1
Pertussis (whooping cough)	16	--	14	15	--	--	1	--	--	--
Poliomyelitis	71	--	--	4	26	17	21	3	--	10
Rheumatic fever	17	--	--	1	5	3	3	4	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	213	1	1	1	--	1	18	131	62	30
Tuberculosis—all forms	1,309	1	9	31	15	105	434	549	175	58
Pulmonary tuberculosis	1,205	1	4	9	6	94	411	524	161	51
Other communicable diseases	38	--	4	4	2	2	10	16	4	3
Accidents—all forms, total	1,740	4	43	104	88	115	327	513	593	131
Motor vehicle	469	--	1	19	27	60	119	132	112	44
Home	646	4	40	77	19	16	67	140	327	53
Occupational	135	xxx	xxx	xxx	1	8	45	65	16	13
Public	490	--	2	8	41	31	96	176	138	21
Arteriosclerosis	474	xxx	xxx	xxx	--	--	3	64	407	105
Cancer	6,221	1	3	17	20	26	516	2,817	2,825	349
Diabetes	1,285	--	--	1	2	15	36	531	700	89
Diseases of digestive system, total	1,834	20	126	155	16	19	262	793	589	105
Appendicitis	99	--	--	4	7	2	22	46	18	10
Cirrhosis of the liver	629	--	4	6	--	3	127	325	168	20
Diarrhea and enteritis	140	15	102	109	--	2	11	8	10	6
Hernia and intestinal obstruction	264	1	8	10	4	2	25	86	137	19
Ulcers of stomach or duodenum	319	2	5	6	--	2	31	164	116	25
Goiter—exophthalmic	67	--	--	--	--	1	5	38	23	9
Heart disease, total	15,151	2	5	13	23	61	832	5,482	8,737	1,198
Coronary	3,529	--	1	1	--	8	246	1,754	1,519	240
Chronic rheumatic	635	--	--	2	16	27	143	277	170	48
Homicide	216	1	2	3	4	29	126	45	9	5
Intracranial lesions of vascular origin	2,537	--	5	10	3	5	118	868	1,533	182
Nephritis	1,890	--	--	5	5	25	151	577	1,127	117
Prostatic disease	199	--	--	--	--	--	--	38	161	9
Suicide	388	xxx	xxx	xxx	1	19	106	181	81	30
ALL OTHER KNOWN CAUSES	1,484	19	79	142	37	57	266	523	458	130
CAUSE AS YET UNASSIGNED	113	1	2	4	4	19	37	24	25	16

\* Age not reported for 4 deaths.

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.  
Counties: Cook, Du Page, Kane, Lake and Will.

TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,255	288	382	461	83	113	468	1,788	4,340	3,343
SELECTED CAUSES OF DEATH	6,833	282	361	426	63	100	399	1,688	4,155	3,123
Diseases of infancy, total	327	273	306	317	4	2	2	2	--	142
Premature birth	124	121	124	124	XXX	XXX	XXX	XXX	XXX	45
Maternal causes, total	13	XXX	XXX	XXX	--	2	11	--	XXX	5
Puerperal septicemia	7	XXX	XXX	XXX	--	2	5	--	--	4
Puerperal toxemia	2	XXX	XXX	XXX	--	--	2	--	--	--
Communicable diseases, total	527	6	31	52	15	19	81	157	202	308
Acute respiratory diseases, total	226	6	27	38	7	--	27	32	121	120
Influenza	16	--	3	8	1	--	1	--	6	12
Pneumonia	210	6	24	30	6	--	26	32	115	108
Diphtheria	2	--	--	1	--	--	--	1	--	--
Dysentery—all forms	1	--	--	--	--	--	1	--	--	1
Encephalitis—infectious	3	--	--	--	--	--	1	2	--	3
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	3	--	--	--	1	--	--	1	1	2
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	22	--	--	4	6	5	7	--	--	13
Rheumatic fever	1	--	--	--	--	--	--	1	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	90	--	--	--	--	1	9	50	30	61
Tuberculosis—all forms	164	--	--	1	--	13	35	67	48	102
Pulmonary tuberculosis	156	--	--	--	--	13	33	64	46	98
Other communicable diseases	14	--	3	7	1	--	1	3	2	5
Accidents—all forms, total	426	--	6	21	29	45	64	70	197	216
Motor vehicle	133	--	--	5	16	34	31	32	15	66
Home	166	--	6	10	2	2	5	19	128	84
Occupational	30	XXX	XXX	XXX	--	4	12	8	6	15
Public	97	--	--	6	11	5	16	11	48	51
Arteriosclerosis	152	XXX	XXX	XXX	--	--	--	11	141	69
Cancer	1,004	--	1	2	2	8	67	347	578	422
Diabetes	227	--	--	1	--	2	13	68	143	89
Diseases of digestive system, total	326	3	16	27	9	6	25	115	144	121
Appendicitis	30	--	--	1	4	2	2	9	12	13
Cirrhosis of the liver	84	--	--	--	--	--	8	39	37	27
Diarrhea and enteritis	22	3	11	16	--	1	1	4	--	13
Hernia and intestinal obstruction	63	--	3	5	--	1	4	17	36	25
Ulcers of stomach or duodenum	54	--	--	--	1	--	4	26	23	19
Goiter—exophthalmic	12	--	--	--	--	1	3	3	5	7
Heart disease, total	2,740	--	--	3	2	4	90	661	1,980	1,291
Coronary	955	--	--	--	--	--	37	351	567	397
Chronic rheumatic	124	--	--	1	1	1	23	38	60	55
Homicide	7	--	--	--	--	1	4	1	1	1
Intracranial lesions of vascular origin	637	--	1	2	1	--	11	143	479	263
Nephritis	326	--	--	1	--	6	14	76	229	142
Prostatic disease	34	--	--	--	--	--	--	3	31	13
Suicide	75	XXX	XXX	XXX	1	4	14	31	25	34
ALL OTHER KNOWN CAUSES	376	6	18	31	19	10	61	85	170	194
CAUSE AS YET UNASSIGNED	46	--	3	4	1	3	8	15	15	26

\* Age not reported for 2 deaths.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.



TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages--all causes	1,773	101	125	139	18	25	134	444	1,012	695
SELECTED CAUSES OF DEATH	1,668	98	118	126	16	25	123	410	968	649
Diseases of infancy, total	102	93	98	98	--	1	1	1	1	38
Premature birth	45	45	45	45	XXX	XXX	XXX	XXX	XXX	20
Maternal causes, total	5	XXX	XXX	XXX	--	--	5	--	XXX	3
Puerperal septicemia	3	XXX	XXX	XXX	--	--	3	--	XXX	2
Puerperal toxemia	1	XXX	XXX	XXX	--	--	1	--	XXX	1
Communicable diseases, total	135	2	8	10	3	3	16	39	64	73
Acute respiratory diseases, total	67	2	6	8	--	1	4	12	42	35
Influenza	1	--	--	--	--	--	--	1	--	--
Pneumonia	66	2	6	8	--	1	4	11	42	35
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery--all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis--infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis--meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	6	--	1	1	2	2	1	--	--	5
Rheumatic fever	1	--	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	19	--	--	--	--	--	1	11	7	13
Tuberculosis--all forms	40	--	--	--	--	--	10	16	14	20
Pulmonary tuberculosis	39	--	--	--	--	--	9	16	14	20
Other communicable diseases	2	--	1	1	--	--	--	--	1	--
Accidents--all forms, total	137	1	6	10	9	14	28	17	59	69
Motor vehicle	43	--	2	3	5	8	13	6	8	23
Home	60	1	4	7	2	2	3	8	38	37
Occupational	8	XXX	XXX	XXX	--	--	5	2	1	2
Public	26	--	--	--	2	4	7	1	12	7
Arteriosclerosis	65	XXX	XXX	XXX	--	--	--	3	62	56
Cancer	251	--	--	--	3	1	19	84	144	76
Diabetes	41	--	1	1	--	--	--	10	30	14
Diseases of digestive system, total	80	2	5	6	1	1	9	30	33	22
Appendicitis	7	--	--	1	--	--	3	1	2	3
Cirrhosis of the liver	23	1	1	1	1	--	2	15	4	7
Diarrhea and enteritis	3	1	2	2	--	--	--	--	1	1
Hernia and intestinal obstruction	12	--	1	1	--	1	--	2	8	1
Ulcers of stomach or duodenum	17	--	1	1	--	--	1	7	8	6
Goiter--exophthalmic	2	--	--	--	--	--	1	--	1	1
Heart disease, total	591	--	--	--	--	1	20	163	407	201
Coronary	211	--	--	--	--	--	6	85	120	72
Chronic rheumatic	52	--	--	--	--	--	5	19	28	9
Homicide	9	--	--	--	--	1	4	4	--	--
Intracranial lesions of vascular origin	124	--	--	1	--	1	4	25	93	54
Nephritis	89	--	--	--	--	1	7	21	60	28
Prostatic disease	6	--	--	--	--	--	--	--	6	2
Suicide	31	XXX	XXX	XXX	--	1	9	13	8	12
ALL OTHER KNOWN CAUSES	100	3	7	12	2	--	10	33	43	45
CAUSE AS YET UNASSIGNED	5	--	--	1	--	--	1	1	1	1

\* Age not reported for 1 death.

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.  
Counties: Peoria and Tazewell.

TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	11,028	425	572	679	85	171	548	2,391	7,151	5,506
SELECTED CAUSES OF DEATH	10,391	418	546	631	74	148	476	2,222	6,839	5,180
Diseases of infancy, total	464	395	441	449	3	5	1	4	1	230
Premature birth	210	207	210	210	xxx	xxx	xxx	xxx	xxx	99
Maternal causes, total	15	xxx	xxx	xxx	--	3	12	--	xxx	8
Puerperal septicemia	4	xxx	xxx	xxx	--	1	3	--	xxx	3
Puerperal toxemia	7	xxx	xxx	xxx	--	1	6	--	xxx	3
Communicable diseases, total	576	13	61	84	22	23	58	135	254	275
Acute respiratory diseases, total	277	12	53	70	4	2	10	36	155	144
Influenza	12	--	1	2	--	--	1	2	7	9
Pneumonia	265	12	52	68	4	2	9	34	148	135
Diphtheria	1	--	1	1	--	--	--	--	--	1
Dysentery—all forms	1	--	--	--	--	--	--	--	1	1
Encephalitis—infectious	2	--	--	--	--	--	--	1	1	1
Measles	2	--	1	1	--	1	--	--	--	1
Meningitis—meningococcus	3	--	1	1	--	--	1	1	--	3
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Polioomyelitis	49	--	1	7	15	14	13	--	--	20
Rheumatic fever	2	--	--	--	1	--	--	--	1	2
Scarlet fever	2	--	--	--	2	--	--	--	--	1
Syphilis	69	1	1	1	--	--	1	37	30	27
Tuberculosis—all forms	154	--	1	1	--	6	29	57	61	67
Pulmonary tuberculosis	144	--	--	--	--	5	28	53	58	63
Other communicable diseases	13	--	1	1	--	--	4	3	5	6
Accidents—all forms, total	706	5	17	49	28	74	95	119	341	345
Motor vehicle	218	--	2	14	12	49	48	48	47	106
Home	298	2	9	18	10	3	11	23	233	132
Occupational	59	xxx	xxx	xxx	1	8	13	26	11	35
Public	131	3	6	17	5	14	23	22	50	72
Arteriosclerosis	186	xxx	xxx	xxx	--	--	1	9	176	100
Cancer	1,577	--	--	4	5	10	90	517	951	742
Diabetes	319	--	1	2	1	2	5	84	225	170
Diseases of digestive system, total	399	5	25	37	7	9	39	117	190	205
Appendicitis	34	1	1	2	5	3	3	10	11	19
Cirrhosis of the liver	93	--	--	2	--	1	11	34	45	35
Diarrhea and enteritis	31	4	18	21	1	--	1	5	3	19
Hernia and intestinal obstruction	87	--	2	4	1	1	6	20	55	49
Ulcers of stomach or duodenum	56	--	--	--	--	--	5	25	26	26
Goiter—exophthalmic	23	--	--	--	--	--	1	12	10	11
Heart disease, total	4,097	--	--	--	4	10	94	869	3,120	2,042
Coronary	1,427	--	--	--	--	3	46	480	898	695
Chronic rheumatic	189	--	--	--	3	1	15	49	121	103
Homicide	15	--	--	--	--	2	8	5	--	5
Intracranial lesions of vascular origin	1,119	--	1	2	1	2	20	198	896	565
Nephritis	688	--	--	4	3	5	21	96	559	367
Prostatic disease	75	--	--	--	--	--	--	2	73	44
Suicide	132	xxx	xxx	xxx	--	3	31	55	43	71
ALL OTHER KNOWN CAUSES	589	7	25	47	9	19	64	161	288	297
CAUSE AS YET UNASSIGNED	48	--	1	1	2	4	8	8	24	29

\* Age not reported for 3 deaths.

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Chrisitan, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.



TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,  
FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,521	132	154	173	17	43	169	691	1,428	951
SELECTED CAUSES OF DEATH	2,379	131	148	166	14	35	152	650	1,362	904
Diseases of infancy, total	133	126	130	132	--	--	--	1	--	46
Premature birth	70	70	70	70	xxx	xxx	xxx	xxx	xxx	26
Maternal causes, total	3	xxx	xxx	xxx	--	--	3	--	xxx	1
Puerperal septicemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	xxx	1
Communicable diseases, total	143	2	8	11	--	8	19	41	64	58
Acute respiratory diseases, total	66	2	8	11	--	2	4	13	36	23
Influenza	6	--	--	--	--	--	1	1	4	1
Pneumonia	60	2	8	11	--	2	3	12	32	22
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	6	--	--	--	--	3	2	1	--	1
Rheumatic fever	1	--	--	--	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	24	--	--	--	--	--	4	9	11	15
Tuberculosis—all forms	45	--	--	--	--	2	9	17	17	19
Pulmonary tuberculosis	44	--	--	--	--	2	8	17	17	19
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	164	--	4	9	8	15	26	44	62	70
Motor vehicle	48	--	--	1	3	8	14	15	7	13
Home	69	--	4	8	--	1	5	10	45	34
Occupational	17	xxx	xxx	xxx	--	3	5	7	2	9
Public	30	--	--	--	5	3	2	12	8	14
Arteriosclerosis	51	xxx	xxx	xxx	--	--	--	9	42	30
Cancer	321	--	--	2	1	1	17	127	173	117
Diabetes	80	--	--	--	--	--	2	22	56	23
Diseases of digestive system, total	97	3	6	9	3	--	13	28	44	34
Appendicitis	5	--	--	2	1	--	--	2	--	3
Cirrhosis of the liver	31	1	1	1	--	--	7	9	14	8
Diarrhea and enteritis	7	1	3	4	1	--	--	--	2	5
Hernia and intestinal obstruction	16	1	2	2	--	--	3	4	7	4
Ulcers of stomach or duodenum	15	--	--	--	--	--	1	8	6	7
Goiter—exophthalmic	3	--	--	--	--	--	--	1	2	1
Heart disease, total	939	--	--	--	2	5	37	265	630	367
Coronary	213	--	--	--	--	--	14	105	94	69
Chronic rheumatic	34	--	--	--	--	4	7	9	14	7
Homicide	21	--	--	3	--	5	8	5	--	5
Intracranial lesions of vascular origin	232	--	--	--	--	1	9	55	167	79
Nephritis	149	--	--	--	--	--	8	36	105	60
Prostatic disease	17	--	--	--	--	--	--	4	13	6
Suicide	26	xxx	xxx	xxx	--	--	10	12	4	8
ALL OTHER KNOWN CAUSES	118	1	6	7	2	5	16	33	55	39
CAUSE AS YET UNASSIGNED	24	--	--	--	1	3	1	8	11	7

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.  
Counties: Madison and St. Clair.

TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	5,285	227	299	357	66	100	318	1,191	3,249	3,303
SELECTED CAUSES OF DEATH	4,981	223	290	338	61	86	294	1,127	3,071	3,109
Diseases of infancy, total	214	202	212	213	--	--	--	1	--	124
Premature birth	107	106	107	107	xxx	xxx	xxx	xxx	xxx	59
Maternal causes, total	17	xxx	xxx	xxx	--	6	11	--	xxx	12
Puerperal septicemia	5	xxx	xxx	xxx	--	2	3	--	xxx	2
Puerperal toxemia	5	xxx	xxx	xxx	--	2	3	--	xxx	4
Communicable diseases, total	362	8	40	58	25	14	39	87	139	252
Acute respiratory diseases, total	144	7	34	39	4	--	6	20	75	97
Influenza	15	--	1	1	--	--	1	2	11	12
Pneumonia	129	7	33	38	4	--	5	18	64	85
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	3	--	1	2	--	--	--	1	--	2
Meningitis—meningococcus	7	--	1	4	1	1	--	--	1	7
Pertussis (whooping cough)	4	--	2	4	--	--	--	--	--	3
Poliomyelitis	34	--	--	5	18	5	5	1	--	25
Rheumatic fever	2	--	--	--	--	1	--	--	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	40	--	--	--	--	--	5	19	16	28
Tuberculosis—all forms	117	1	1	3	1	5	22	44	42	81
Pulmonary tuberculosis	107	1	1	1	--	4	22	43	37	76
Other communicable diseases	10	--	1	1	1	2	1	1	4	7
Accidents—all forms, total	364	9	18	36	20	48	69	71	117	213
Motor vehicle	104	--	1	9	6	27	27	23	12	63
Home	80	--	5	10	1	1	5	9	54	45
Occupational	32	xxx	xxx	xxx	--	1	17	12	2	20
Public	148	9	12	17	13	19	20	27	49	85
Arteriosclerosis	188	xxx	xxx	xxx	--	--	--	20	168	163
Cancer	670	--	--	2	7	2	40	211	408	402
Diabetes	143	--	--	--	1	1	5	42	94	91
Diseases of digestive system, total	188	3	18	27	4	3	17	51	86	113
Appendicitis	20	--	--	1	--	1	7	2	9	13
Cirrhosis of the liver	30	--	--	--	--	--	2	13	15	17
Diarrhea and enteritis	29	3	16	20	1	--	1	1	6	18
Hernia and intestinal obstruction	36	--	1	1	1	--	2	9	23	26
Ulcers of stomach or duodenum	30	--	--	--	1	--	3	14	12	15
Goiter—exophthalmic	6	--	--	--	--	--	1	4	1	4
Heart disease, total	1,858	1	2	2	1	6	63	430	1,355	1,130
Coronary	562	--	--	--	--	1	21	217	322	322
Chronic rheumatic	89	--	--	--	--	4	11	22	52	53
Homicide	17	--	--	--	--	1	7	7	2	4
Intracranial lesions of vascular origin	500	--	--	--	1	1	8	117	373	314
Nephritis	373	--	--	--	2	1	13	65	292	236
Prostatic disease	25	--	--	--	--	--	--	1	24	15
Suicide	56	xxx	xxx	xxx	--	3	21	20	12	36
ALL OTHER KNOWN CAUSES	277	4	8	16	5	8	23	59	166	174
CAUSE AS YET UNASSIGNED	27	--	1	3	--	6	1	5	12	20

\* Age not reported for 4 deaths.

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.



VITAL STATISTICS IN THE FIRST SIX MONTHS 1949

FIVE PER CENT MORE BIRTHS

Live birth registrations were 5 per cent higher in the first half of 1949 as compared to the same period of 1948. An increase of over 4,500 live births was recorded for the period for an average rate of 20.9 annual live births per thousand inhabitants. The average rate for the first half of 1948 was 20.0 annual live births per thousand population. The birth rates in states all across the nation, in the first half of 1949, have remained at essentially the same levels recorded in the first six months of 1948. The average annual rate for the nation as a whole, from January through June, 1949, was 23.1 per thousand population as compared to a rate of 23.3 for the same period of 1948.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST SIX MONTHS

	1949	1948
LIVE BIRTHS per 1,000 population	20.9	20.0
DEATHS per 1,000 population	10.9	11.1

Note: Rates are expressed as their annual equivalents, based on estimates of Illinois' population as follows: April 1, 1949--8,423,750; April 1, 1948--8,316,250.

Mortality from all causes was 10.9 per thousand population in the first six months of 1949, as compared to a rate of 11.1 deaths per thousand inhabitants recorded in the like period of 1948. Mortality from heart disease and from cancer was essentially the same in the two corresponding periods. A further decline in the mortality experience from tuberculosis was recorded, the death rate dropping from 32.5 deaths per hundred thousand population in the first half of 1948, to 30.5 in the first half of 1949.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST SIX MONTHS

	Per 1,000 live births	
	1949	1948
FETAL MORTALITY (Stillbirths)	17.7	18.2
NEONATAL MORTALITY (under 1 month)	20.6	20.6
INFANT MORTALITY (under 1 year)	28.4	29.4
Premature birth	10.3	10.9
MATERNAL MORTALITY	0.8	1.0

The maternal mortality experience for the first half of 1949 was below the very good record for the same period of 1948. Only 0.8 mothers died for every thousand live births in the first

six months of 1949, as compared to a rate of 1.0 for the corresponding period of 1948.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST SIX MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
Heart disease	17,986	17,632	427.0	424.0
Cancer	6,824	6,652	162.0	160.0
Cerebral hemorrhage*	3,591	3,607	85.3	86.7
Nephritis	2,506	2,659	59.5	63.9
All accidents	2,410	2,724	57.2	65.5
Influenza and pneumonia	1,640	1,485	38.9	35.7
Diabetes	1,445	1,402	34.3	33.7
Tuberculosis	1,286	1,353	30.5	32.5
Premature birth	903	904	21.4	21.7
Arteriosclerosis	723	671	17.2	16.1

\* Intracranial lesions of vascular origin.  
Note: Rates are expressed as their annual equivalents.

The accident death rate was lower for the six month period ending June 30, 1949, than for the same period of 1948. There was lower mortality for every form of accident. Percentage-wise, the greatest reduction was for occupational accident mortality with a rate of 4.5 deaths per 100,000 inhabitants or 24 per cent below the death rate for the corresponding period of 1948. Automobile accident mortality, during the first half of 1949, was 19 per cent below the rate for the first half of 1948 despite an increase in the number of miles traveled by motor vehicles.

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST SIX MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
ALL ACCIDENTS	2,410	2,724	57.2	65.5
Motor vehicle	709	861	16.8	20.7
Home accidents	903	970	21.4	23.3
Occupational	188	245	4.5	5.9
Public accidents	610	648	14.5	15.6

Note: Rates are expressed as their annual equivalents.

TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,  
FIRST SIX MONTHS, 1949

(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,423,750	87,828	1,558	46,109	La Salle	102,804	1,058	14	591
Chicago	3,623,189	37,317	722	19,439	Lawrence	21,532	40	1	63
Downstate	4,800,561	50,511	836	26,670	Lee	35,966	334	3	241
					Livingston	39,875	349	5	214
Adams	68,270	758	13	470	Logan	30,382	299	2	192
Alexander	26,665	311	10	148	McDonough	27,780	330	9	188
Bond	14,800	2	--	58	McHenry	39,074	370	7	229
Boone	15,734	237	1	107	McLean	77,394	954	18	459
Brown	8,046	14	--	41	Macon	90,470	1,308	16	521
Bureau	38,727	429	7	234	Macoupin	47,933	128	2	182
Calhoun	8,147	14	--	25	Madison	163,462	1,886	35	849
Carroll	18,496	150	4	77	Marion	49,950	546	6	244
Cass	16,986	169	3	88	Marshall	13,502	4	1	44
Champaign	75,622	1,313	15	374	Mason	15,780	11	--	41
Christian	40,106	470	9	198	Massac	15,250	87	1	92
Clark	18,953	32	2	90	Menard	10,880	19	--	31
Clay	19,363	73	1	43	Mercer	18,106	13	--	38
Clinton	23,773	191	5	106	Monroe	12,936	2	--	39
Coles	40,393	529	8	228	Montgomery	35,513	472	11	247
Cook	4,392,546	45,918	850	24,094	Morgan	37,716	391	4	437
Crawford	21,799	199	4	121	Moultrie	13,742	21	1	58
Cumberland	11,662	32	3	50	Ogle	30,829	175	1	140
De Kalb	35,973	480	7	209	Peoria	164,493	2,422	40	1,039
De Witt	18,746	115	--	104	Perry	24,323	225	3	106
Douglas	18,049	167	4	78	Piatt	15,006	82	1	36
Du Page	111,498	1,045	19	589	Pike	25,576	148	2	121
Edgar	25,044	190	2	147	Pope	7,860	24	1	35
Edwards	9,124	25	--	33	Pulaski	16,197	59	2	80
Effingham	22,732	353	9	189	Putnam	5,370	--	--	13
Fayette	29,550	258	6	119	Randolph	34,856	367	6	138
Ford	15,476	113	3	52	Richland	17,600	316	5	121
Franklin	55,691	330	6	209	Rock Island	121,986	1,637	23	758
Fulton	46,145	416	4	226	St. Clair	183,494	1,977	44	954
Gallatin	11,620	48	1	49	Saline	39,494	447	7	222
Greene	20,811	237	4	83	Sangamon	125,168	1,645	25	811
Grundy	19,158	150	1	78	Schuyler	11,454	45	--	35
Hamilton	13,363	96	1	59	Scott	8,304	6	--	16
Hancock	26,845	77	2	87	Shelby	26,530	141	1	122
Hardin	7,884	72	3	34	Stark	9,048	1	--	16
Henderson	9,099	8	--	21	Stephenson	42,364	576	7	265
Henry	45,558	480	7	244	Tazewell	62,426	516	10	226
Iroquois	33,144	277	3	141	Union	21,960	185	6	226
Jackson	39,495	451	15	204	Vermilion	91,319	968	20	529
Jasper	13,358	22	--	31	Wabash	14,202	67	2	59
Jefferson	35,585	480	8	201	Warren	21,972	260	2	139
Jersey	14,055	29	--	50	Washington	15,897	15	--	49
Jo Daviess	20,442	22	--	83	Wayne	22,196	94	--	80
Johnson	10,657	41	--	39	White	20,504	94	2	79
Kane	138,994	2,388	45	1,089	Whiteside	45,682	557	9	207
Kankakee	64,503	724	14	764	Will	121,473	1,370	25	632
Kendall	11,336	1	--	21	Williamson	53,749	384	4	310
Knox	54,870	597	11	308	Winnebago	130,626	1,782	31	656
Lake	133,204	2,078	33	732	Woodford	19,648	10	--	64

\* Estimated population as of April 1, 1949.



TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST SIX MONTHS, 1949

(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	46,109	1,810	2,496	2,898	325	641	3,581	13,981	24,670	2,066
SELECTED CAUSES OF DEATH	43,870	1,784	2,391	2,702	265	549	3,226	13,322	23,796	1,927
Diseases of infancy, total	1,958	1,678	1,863	1,901	12	12	20	8	4	32
Premature birth	903	894	903	903	XXX	XXX	XXX	XXX	XXX	8
Maternal causes, total	68	XXX	XXX	XXX	--	12	56	--	XXX	1
Puerperal septicemia	26	XXX	XXX	XXX	--	4	22	--	XXX	1
Puerperal toxemia	16	XXX	XXX	XXX	--	1	15	--	XXX	--
Communicable diseases, total	3,381	69	321	420	48	108	552	1,134	1,118	315
Acute respiratory diseases, total	1,640	66	288	352	22	15	120	384	746	57
Influenza	58	--	6	13	1	1	6	9	28	--
Pneumonia	1,582	66	282	339	21	14	114	375	718	57
Diphtheria	3	--	1	2	--	--	--	1	--	1
Dysentery—all forms	5	--	--	--	--	--	2	2	1	--
Encephalitis—infectious	7	--	--	--	--	--	--	5	2	--
Measles	6	--	2	4	--	1	--	1	--	--
Meningitis—meningococcus	31	--	7	15	3	1	3	7	2	--
Pertussis (whooping cough)	10	--	7	9	--	--	1	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--	--
Rheumatic fever	20	--	--	--	7	3	3	4	3	1
Scarlet fever	2	--	--	--	2	--	--	--	--	--
Syphilis	323	1	1	1	--	1	27	189	105	14
Tuberculosis—all forms	1,286	2	8	27	11	84	384	530	250	239
Pulmonary tuberculosis	1,201	2	4	8	5	78	371	509	230	235
Other communicable diseases	47	--	7	10	2	3	12	11	9	3
Accidents—all forms, total	2,410	17	76	164	113	199	433	549	949	190
Motor vehicle	709	--	4	38	43	123	192	170	143	109
Home	903	6	54	94	24	17	73	133	562	23
Occupational	188	XXX	XXX	XXX	1	18	69	74	26	19
Public	610	11	18	32	45	41	99	172	218	39
Arteriosclerosis	723	XXX	XXX	XXX	--	--	3	78	642	29
Cancer	6,824	1	4	22	20	37	533	2,761	3,451	370
Diabetes	1,445	--	2	5	2	12	41	550	835	41
Diseases of digestive system, total	1,961	17	118	160	28	23	257	773	720	97
Appendicitis	116	1	1	5	9	4	23	44	31	2
Cirrhosis of the liver	629	--	3	6	1	3	113	318	188	42
Diarrhea and enteritis	125	12	83	96	2	1	6	9	11	3
Hernia and intestinal obstruction	332	--	13	17	5	4	29	94	183	9
Ulcers of stomach or duodenum	342	2	5	6	2	1	35	167	131	20
Goiter—exophthalmic	89	--	--	--	--	2	9	44	34	3
Heart disease, total	17,986	2	2	9	24	65	795	5,533	11,556	600
Coronary	4,816	--	--	--	--	9	233	2,067	2,505	125
Chronic rheumatic	813	--	--	2	15	28	160	299	309	43
Homicide	194	--	1	3	2	23	110	47	9	7
Intracranial lesions of vascular origin	3,591	--	4	9	6	7	120	991	2,457	108
Nephritis	2,506	--	--	9	9	29	157	602	1,700	107
Prostatic disease	235	--	--	--	--	--	--	30	205	6
Suicide	499	XXX	XXX	XXX	1	20	140	222	116	21
ALL OTHER KNOWN CAUSES	2,053	26	101	188	53	70	317	613	811	104
CAUSE AS YET UNASSIGNED	186	--	4	8	7	22	38	46	63	35

\* Age not reported for 13 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	26,499	1,034	1,427	1,633	166	336	2,404	9,330	12,626	1,884
SELECTED CAUSES OF DEATH	25,444	1,025	1,378	1,543	136	289	2,202	8,969	12,302	1,787
Diseases of infancy, total	1,119	960	1,068	1,092	3	5	13	3	3	61
Premature birth	531	526	531	531	xxx	xxx	xxx	xxx	xxx	28
Maternal causes, total	40	xxx	xxx	xxx	--	8	32	--	xxx	--
Puerperal septicemia	14	xxx	xxx	xxx	--	3	11	--	xxx	--
Puerperal toxemia	9	xxx	xxx	xxx	--	1	8	--	xxx	--
Communicable diseases, total	2,146	48	194	250	28	81	420	789	578	125
Acute respiratory diseases, total	1,013	46	176	207	9	12	85	288	412	60
Influenza	13	--	1	2	--	1	3	3	4	--
Pneumonia	1,000	46	175	205	9	11	82	285	408	60
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	2	--	--	--	--	--	1	--	1	--
Encephalitis—infectious	4	--	--	--	--	--	--	3	1	1
Measles	1	--	--	1	--	--	--	--	--	--
Meningitis—meningococcus	21	--	5	11	3	--	2	5	--	1
Pertussis (whooping cough)	5	--	3	4	--	--	1	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--	--
Rheumatic fever	12	--	--	--	5	1	3	3	--	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	157	1	1	1	--	--	16	99	41	24
Tuberculosis—all forms	907	1	6	23	10	66	303	383	122	35
Pulmonary tuberculosis	840	1	3	7	5	61	292	366	109	32
Other communicable diseases	23	--	3	3	--	2	9	8	1	2
Accidents—all forms, total	1,127	3	34	69	55	61	227	323	392	85
Motor vehicle	314	--	1	12	18	35	86	84	79	22
Home	435	3	31	53	14	10	53	92	213	43
Occupational	87	xxx	xxx	xxx	--	6	35	35	11	9
Public	291	--	2	4	23	10	53	112	89	11
Arteriosclerosis	313	xxx	xxx	xxx	--	--	2	48	263	70
Cancer	4,165	1	3	16	12	20	358	1,875	1,884	217
Diabetes	884	--	--	1	1	8	26	383	465	57
Diseases of digestive system, total	1,216	12	74	95	9	10	184	531	387	69
Appendicitis	58	--	--	1	3	1	14	29	10	6
Cirrhosis of the liver	444	--	3	5	--	2	91	234	112	15
Diarrhea and enteritis	74	8	54	60	--	--	5	2	7	4
Hernia and intestinal obstruction	174	--	6	7	2	2	17	56	90	13
Ulcers of stomach or duodenum	227	2	5	6	--	1	23	116	81	17
Goiter—exophthalmic	50	--	--	--	--	1	4	29	16	5
Heart disease, total	10,730	1	1	7	17	45	572	3,808	6,278	842
Coronary	2,454	--	--	--	--	5	157	1,200	1,091	168
Chronic rheumatic	456	--	--	2	11	21	105	197	120	34
Homicide	146	--	1	1	2	16	89	30	8	5
Intracranial lesions of vascular origin	1,765	--	3	7	3	3	87	606	1,059	136
Nephritis	1,330	--	--	5	5	20	107	389	804	86
Prostatic disease	141	--	--	--	--	--	--	26	115	7
Suicide	272	xxx	xxx	xxx	1	11	81	129	50	22
ALL OTHER KNOWN CAUSES	988	9	49	89	26	37	180	346	309	87
CAUSE AS YET UNASSIGNED	67	--	--	1	4	10	22	15	15	10

\* Age not reported for 4 deaths.

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.  
Counties: Cook, Du Page, Kane, Lake and Will.



TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	4,932	190	262	315	54	70	297	1,204	2,990	2,265
SELECTED CAUSES OF DEATH	4,651	186	248	289	42	62	249	1,143	2,864	2,123
Diseases of infancy, total	221	183	207	213	4	2	1	1	--	100
Premature birth	83	82	83	83	xxx	xxx	xxx	xxx	xxx	29
Maternal causes, total	7	xxx	xxx	xxx	--	1	6	--	xxx	2
Puerperal septicemia	4	xxx	xxx	xxx	--	1	3	--	xxx	2
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Communicable diseases, total	364	2	24	37	8	12	46	107	153	209
Acute respiratory diseases, total	173	2	22	31	7	--	14	24	96	85
Influenza	16	--	3	8	1	--	1	--	6	12
Pneumonia	157	2	19	23	6	--	13	24	90	73
Diphtheria	2	--	--	1	--	--	--	1	--	--
Dysentery—all forms	1	--	--	--	--	--	1	--	--	1
Encephalitis—infectious	2	--	--	--	--	--	--	2	--	2
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	2	--	--	--	--	--	--	1	1	2
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	--	--	--	1	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	57	--	--	--	--	1	5	35	16	40
Tuberculosis—all forms	116	--	--	--	--	11	26	41	38	74
Pulmonary tuberculosis	111	--	--	--	--	11	24	39	37	71
Other communicable diseases	9	--	1	4	1	--	--	2	2	4
Accidents—all forms, total	276	--	5	17	21	27	44	43	124	135
Motor vehicle	82	--	--	5	12	20	20	17	8	43
Home	108	--	5	8	2	2	3	12	81	52
Occupational	17	xxx	xxx	xxx	--	2	7	5	3	7
Public	69	--	--	4	7	3	14	9	32	33
Arteriosclerosis	92	xxx	xxx	xxx	--	--	--	5	87	36
Cancer	654	--	1	1	--	6	39	220	388	271
Diabetes	158	--	--	1	--	1	6	47	103	64
Diseases of digestive system, total	223	1	11	18	6	4	15	80	100	84
Appendicitis	20	--	--	1	2	1	2	5	9	11
Cirrhosis of the liver	53	--	--	--	--	--	4	25	24	16
Diarrhea and enteritis	14	1	7	11	--	--	--	3	--	7
Hernia and intestinal obstruction	44	--	2	3	--	1	3	13	24	18
Ulcers of stomach or duodenum	40	--	--	--	1	--	4	20	15	15
Goiter—exophthalmic	9	--	--	--	--	1	2	2	4	5
Heart disease, total	1,903	--	--	1	2	1	60	464	1,375	897
Coronary	652	--	--	--	--	--	22	242	388	274
Chronic rheumatic	85	--	--	--	1	--	18	25	41	42
Homicide	4	--	--	--	--	--	3	1	--	--
Intracranial lesions of vascular origin	422	--	--	1	1	--	5	94	320	179
Nephritis	244	--	--	--	--	4	10	54	176	110
Prostatic disease	17	--	--	--	--	--	--	1	16	7
Suicide	57	xxx	xxx	xxx	--	3	12	24	18	24
ALL OTHER KNOWN CAUSES	252	4	11	22	11	7	44	53	115	125
CAUSE AS YET UNASSIGNED	29	--	3	4	1	1	4	8	11	17

\* Age not reported for 2 deaths.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,200	70	85	93	13	13	101	294	686	477
SELECTED CAUSES OF DEATH	1,122	67	79	83	11	13	92	270	653	442
Diseases of infancy, total	69	66	67	67	--	1	--	--	1	26
Premature birth	28	28	28	28	xxx	xxx	xxx	xxx	xxx	14
Maternal causes, total	3	xxx	xxx	xxx	--	--	3	--	xxx	1
Puerperal septicemia	2	xxx	xxx	xxx	--	--	2	--	xxx	1
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	93	--	5	7	1	1	13	29	42	48
Acute respiratory diseases, total	54	--	4	6	--	1	4	11	32	29
Influenza	1	--	--	--	--	--	--	1	--	--
Pneumonia	53	--	4	6	--	1	4	10	32	29
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	10	--	--	--	--	--	1	7	2	7
Tuberculosis—all forms	27	--	--	--	--	--	8	11	8	12
Pulmonary tuberculosis	27	--	--	--	--	--	8	11	8	12
Other communicable diseases	1	--	1	1	--	--	--	--	--	--
Accidents—all forms, total	95	1	4	6	7	7	20	11	44	50
Motor vehicle	35	--	1	2	5	4	12	4	8	20
Home	44	1	3	4	2	2	3	6	27	26
Occupational	2	xxx	xxx	xxx	--	--	2	--	--	--
Public	14	--	--	--	--	1	3	1	9	4
Arteriosclerosis	40	xxx	xxx	xxx	--	--	--	1	39	34
Cancer	164	--	--	--	2	1	15	45	101	50
Diabetes	25	--	1	1	--	--	--	6	18	10
Diseases of digestive system, total	57	--	2	2	1	1	7	20	26	15
Appendicitis	5	--	--	--	--	--	2	1	2	2
Cirrhosis of the liver	16	--	--	--	1	--	1	11	3	4
Diarrhea and enteritis	2	--	1	1	--	--	--	--	1	1
Hernia and intestinal obstruction	10	--	1	1	--	1	--	1	7	1
Ulcers of stomach or duodenum	10	--	--	--	--	--	1	5	4	5
Goiter—exophthalmic	2	--	--	--	--	--	1	--	1	1
Heart disease, total	394	--	--	--	--	--	15	114	265	134
Coronary	145	--	--	--	--	--	4	55	86	53
Chronic rheumatic	37	--	--	--	--	--	5	13	19	5
Homicide	4	--	--	--	--	1	1	2	--	--
Intracranial lesions of vascular origin	81	--	--	--	--	--	3	17	61	35
Nephritis	68	--	--	--	--	1	7	15	45	25
Prostatic disease	4	--	--	--	--	--	--	--	4	2
Suicide	23	xxx	xxx	xxx	--	--	7	10	6	11
ALL OTHER KNOWN CAUSES	77	3	6	10	2	--	9	24	32	34
CAUSE AS YET UNASSIGNED	1	--	--	--	--	--	--	--	1	1

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.  
Counties: Peoria and Tazewell.



TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,398	270	391	460	47	106	336	1,588	4,860	3,682
SELECTED CAUSES OF DEATH	6,980	266	372	425	39	90	296	1,478	4,651	3,471
Diseases of infancy, total	307	251	289	295	3	4	1	3	--	143
Premature birth	136	133	136	136	XXX	XXX	XXX	XXX	XXX	56
Maternal causes, total	6	XXX	XXX	XXX	--	1	5	--	XXX	5
Puerperal sept.emia	2	XXX	XXX	XXX	--	--	2	--	XXX	2
Puerperal toxemia	2	XXX	XXX	XXX	--	--	2	--	XXX	1
Communicable diseases, total	394	9	50	62	7	5	29	97	194	193
Acute respiratory diseases, total	217	9	44	56	4	1	7	29	120	113
Influenza	9	--	1	2	--	--	--	2	5	7
Pneumonia	208	9	43	54	4	1	7	27	115	106
Diphtheria	1	--	1	1	--	--	--	--	--	1
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	1	--	--	--	--	--	--	--	1	1
Measles	2	--	1	1	--	1	--	--	--	1
Meningitis—meningococcus	3	--	1	1	--	--	1	1	--	3
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	2	--	--	--	1	--	--	--	1	2
Scarlet fever	2	--	--	--	2	--	--	--	--	1
Syphilis	52	--	--	--	--	--	--	27	25	18
Tuberculosis—all forms	104	--	1	1	--	3	18	39	43	48
Pulmonary tuberculosis	100	--	--	--	--	3	18	37	42	46
Other communicable diseases	9	--	1	1	--	--	3	1	4	4
Accidents—all forms, total	458	4	13	34	16	49	57	62	240	227
Motor vehicle	133	--	1	9	6	32	32	22	32	65
Home	205	2	8	15	5	2	7	12	164	93
Occupational	38	XXX	XXX	XXX	1	6	7	15	9	25
Public	82	2	4	10	4	9	11	13	35	44
Arteriosclerosis	122	XXX	XXX	XXX	--	--	1	7	114	64
Cancer	1,043	--	--	2	2	6	66	333	634	485
Diabetes	210	--	1	2	--	2	3	58	145	107
Diseases of digestive system, total	258	2	18	25	5	6	26	77	119	127
Appendicitis	20	1	1	2	4	2	2	4	6	12
Cirrhosis of the liver	65	--	--	1	--	1	8	27	28	23
Diarrhea and enteritis	16	1	11	12	--	--	--	3	1	9
Hernia and intestinal obstruction	61	--	2	3	1	--	4	13	40	31
Ulcers of stomach or duodenum	36	--	--	--	--	--	4	14	18	17
Goiter—exophthalmic	20	--	--	--	--	--	1	9	10	10
Heart disease, total	2,783	--	--	--	3	9	54	578	2,139	1,400
Coronary	955	--	--	--	--	3	23	316	613	460
Chronic rheumatic	129	--	--	--	3	1	10	36	79	68
Homicide	10	--	--	--	--	1	4	5	--	3
Intracranial lesions of vascular origin	767	--	1	1	1	2	14	139	610	374
Nephritis	467	--	--	4	2	3	16	71	371	258
Prostatic disease	46	--	--	--	--	--	--	1	45	26
Suicide	89	XXX	XXX	XXX	--	2	19	38	30	49
ALL OTHER KNOWN CAUSES	389	4	19	35	7	14	36	103	194	191
CAUSE AS YET UNASSIGNED	29	--	--	--	1	2	4	7	15	20

\* Age not reported for 1 death.

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Colfax, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,  
FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,700	83	99	110	7	26	101	468	988	628
SELECTED CAUSES OF DEATH	1,599	82	94	104	4	21	89	439	942	594
Diseases of infancy, total	86	80	84	85	--	--	--	1	--	35
Premature birth	47	47	47	47	XXX	XXX	XXX	XXX	XXX	22
Maternal causes, total	1	XXX	XXX	XXX	--	--	1	--	XXX	--
Puerperal septicemia	1	XXX	XXX	XXX	--	--	1	--	XXX	--
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	95	2	7	9	--	2	11	29	44	39
Acute respiratory diseases, total	49	2	7	9	--	1	4	10	25	16
Influenza	6	--	--	--	--	--	1	1	4	1
Pneumonia	43	2	7	9	--	1	3	9	21	15
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	15	--	--	--	--	--	2	6	7	8
Tuberculosis—all forms	29	--	--	--	--	--	5	12	12	15
Pulmonary tuberculosis	29	--	--	--	--	--	5	12	12	15
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	101	--	2	5	--	8	16	27	45	45
Motor vehicle	32	--	--	1	--	5	11	11	4	9
Home	46	--	2	4	--	1	3	4	34	22
Occupational	11	XXX	XXX	XXX	--	2	2	5	2	8
Public	12	--	--	--	--	--	--	7	5	6
Arteriosclerosis	31	XXX	XXX	XXX	--	--	--	6	25	17
Cancer	233	--	--	2	1	1	13	92	124	83
Diabetes	50	--	--	--	--	--	1	13	36	15
Diseases of digestive system, total	62	--	1	1	2	--	9	16	34	18
Appendicitis	2	--	--	--	--	--	--	2	--	1
Cirrhosis of the liver	21	--	--	--	--	--	5	5	11	6
Diarrhea and enteritis	3	--	1	1	1	--	--	--	1	2
Hernia and intestinal obstruction	9	--	--	--	--	--	2	2	5	1
Ulcers of stomach or duodenum	8	--	--	--	--	--	1	3	4	3
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	1
Heart disease, total	634	--	--	--	1	4	20	177	432	246
Coronary	135	--	--	--	--	--	9	65	61	36
Chronic rheumatic	26	--	--	--	--	3	5	8	10	4
Homicide	15	--	--	2	--	5	4	4	--	2
Intracranial lesions of vascular origin	162	--	--	--	--	1	4	39	118	48
Nephritis	100	--	--	--	--	--	5	23	72	37
Prostatic disease	8	--	--	--	--	--	--	1	7	2
Suicide	19	XXX	XXX	XXX	--	--	5	10	4	6
ALL OTHER KNOWN CAUSES	83	1	5	6	2	2	12	23	38	28
CAUSE AS YET UNASSIGNED	18	--	--	--	1	3	--	6	8	6

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.  
Counties: Madison and St. Clair.



TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,585	141	194	232	30	61	215	813	2,230	2,273
SELECTED CAUSES OF DEATH	3,368	137	186	215	28	51	195	768	2,107	2,131
Diseases of infancy, total	125	119	125	125	--	--	--	--	--	72
Premature birth	65	65	65	65	xxx	xxx	xxx	xxx	xxx	36
Maternal causes, total	10	xxx	xxx	xxx	--	2	8	--	xxx	6
Puerperal septicemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Puerperal toxemia	3	xxx	xxx	xxx	--	--	3	--	xxx	2
Communicable diseases, total	246	7	36	46	3	6	23	70	98	169
Acute respiratory diseases, total	115	6	30	35	2	--	5	18	55	79
Influenza	13	--	1	1	--	--	1	2	9	10
Pneumonia	102	6	29	34	2	--	4	16	46	69
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	3	--	1	2	--	--	--	1	--	2
Meningitis—meningococcus	5	--	1	3	--	1	--	--	1	5
Pertussis (whooping cough)	3	--	2	3	--	--	--	--	--	2
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	2	--	--	--	--	1	--	--	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	29	--	--	--	--	--	3	14	12	19
Tuberculosis—all forms	84	1	1	2	1	3	15	36	27	57
Pulmonary tuberculosis	76	1	1	1	--	2	15	36	22	53
Other communicable diseases	4	--	1	1	--	1	--	--	2	3
Accidents—all forms, total	266	9	17	29	13	31	44	56	90	151
Motor vehicle	66	--	1	7	2	16	15	17	9	39
Home	56	--	4	8	1	--	3	7	37	34
Occupational	21	xxx	xxx	xxx	--	1	11	8	1	11
Public	123	9	12	14	10	14	15	24	43	67
Arteriosclerosis	120	xxx	xxx	xxx	--	--	--	10	110	102
Cancer	429	--	--	1	3	1	28	128	268	271
Diabetes	101	--	--	--	1	1	4	36	59	62
Diseases of digestive system, total	113	1	7	13	4	1	9	32	54	76
Appendicitis	9	--	--	1	--	--	2	2	4	7
Cirrhosis of the liver	20	--	--	--	--	--	1	9	10	13
Diarrhea and enteritis	11	1	6	8	1	--	1	--	1	7
Hernia and intestinal obstruction	27	--	1	1	1	--	2	6	17	20
Ulcers of stomach or duodenum	18	--	--	--	1	--	1	7	9	11
Goiter—exophthalmic	5	--	--	--	--	--	1	3	1	3
Heart disease, total	1,278	1	1	1	1	5	47	295	928	795
Coronary	381	--	--	--	--	1	14	144	221	225
Chronic rheumatic	66	--	--	--	--	3	10	16	37	39
Homicide	12	--	--	--	--	--	6	5	1	3
Intracranial lesions of vascular origin	354	--	--	--	1	1	5	82	265	221
Nephritis	263	--	--	--	2	--	8	41	212	168
Prostatic disease	16	--	--	--	--	--	--	1	15	10
Suicide	30	xxx	xxx	xxx	--	3	12	9	6	22
ALL OTHER KNOWN CAUSES	200	4	7	15	2	8	19	42	114	130
CAUSE AS YET UNASSIGNED	17	--	1	2	--	2	1	3	9	12

\* Age not reported for 4 deaths.

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamsen.

## VITAL STATISTICS IN THE FIRST THREE MONTHS 1949

## HIGH BIRTH RATE CONTINUES

Birth rates were high during the first three months of 1949 as compared to rates existing prior to the recent birth boom. The average annual birth rate for the first quarter of this year, 21.1 live births per thousand population, was slightly above the rate of 20.9 for the corresponding period of 1948. This level of births is above those seen prior to the recent boom in births. From 1940 to 1945, birth rates in Illinois were below 20 per thousand population, except for the year 1943 when a rate of 20.1 was recorded.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST THREE MONTHS

	1949	1948
LIVE BIRTHS per 1,000 population	21.1	20.9
DEATHS per 1,000 population	11.2	11.4

Note: Rates are expressed as their annual equivalents, based on estimates of Illinois' population as follows: February 15, 1949--8,411,125; February 15, 1948--8,300,902.

## MORTALITY IS LOW

There were fewer deaths recorded in the first three months of 1949 than in the corresponding periods of 1948 or 1947, despite the increase in population in Illinois. This improved mortality experience is made more striking when we realize that mortality in 1948 was the lowest on record. For the first quarter of 1949 there were only 11.2 deaths per thousand population as compared to a rate of 11.4 for the first quarter of 1948. The low death rate together with the high birth rate gave Illinois 20,857 more inhabitants during the first quarter of 1949. The rate of natural increase for the first three months of 1949 was 9.9 per thousand estimated population as compared to a rate of 9.7 for the same period of last year. The current rate of natural increase, while less than the record breaking 11.9 established for the year 1947, is well above the average of 7.4 per thousand population for the years 1942-1945 inclusive.

## INFANT MORTALITY UNCHANGED

Mortality among infants for the first quarter of this year, 29.0 per thousand live births, was essentially the same as the rate of 28.9 for the corresponding period of last year. There were more infant deaths from pneumonia this year, but this increase was offset by reductions in mortality from premature birth and other

causes of death among children under one year of age.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST THREE MONTHS

	Per 1,000 live births	
	1949	1948
FETAL MORTALITY (Stillbirths)	17.2	17.6
NEONATAL MORTALITY (under 1 month)	19.6	19.2
INFANT MORTALITY (under 1 year)	29.0	28.9
Premature birth	9.2	9.5
MATERNAL MORTALITY	0.8	1.1

Pneumonia and influenza took a greater toll of life in the current period than in the first quarter of 1948; the death rate for the first quarter of 1949 being 47.2 per 100,000 population as compared to a rate of 41.7 for the same period of 1948. Most of the higher mortality occurred among the aged and among infants, the stages of life where the risk of death from pneumonia is always high. Tuberculosis mortality was only 30.0 per 100,000 population, a reduction of nine per cent from the rate for the corresponding period of 1948. Persons in all stages of life shared in this improved mortality experience.

The low incidence of measles during the first quarter of 1949 is reflected in the fact that only one death was recorded during this period. The severe measles outbreak last year brought 58 deaths during the first three months of 1948. Only five deaths from whooping cough were recorded in the current period as compared to seven deaths for the same period last year, and there were only seventeen deaths from meningitis as compared to twenty-one meningitis deaths for the first three months of last year.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST THREE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
Heart disease	9,269	9,225	440.8	444.6
Cancer	3,369	3,300	160.2	159.0
Cerebral hemorrhage <sup>2</sup>	1,892	1,903	90.0	91.7
Nephritis	1,257	1,349	59.8	65.0
All accidents	1,162	1,390	55.3	67.0
Influenza and pneumonia	993	865	47.2	41.7
Diabetes	749	722	35.6	34.8
Tuberculosis	631	682	30.0	32.9
Premature birth	408	412	19.4	19.9
Arteriosclerosis	366	338	17.4	16.3

<sup>2</sup>Intracranial lesions of vascular origin.

Note: Rates are expressed as their annual equivalents.



A conspicuous feature of our mortality reports, in recent times, has been the absence of deaths from some of the acute communicable diseases that in former years took a heavy toll of life. This cheerful picture is somewhat spoiled, in the first quarter, by a death from scarlet fever in January and a death from rabies in March. Since proper public health precautions can prevent rabies, this death forcibly draws attention to the incompleteness of rabies control. It also points up the need for unremitting effort in disease control even when control efforts are apparently meeting with greatest success.

IMPROVED ACCIDENT EXPERIENCE

There was a decided improvement in the mortality experience from all accidental causes of death during the first quarter of this year as compared to the same period of 1948. There were over 200 fewer accidental deaths during the current period. Every class of accidental cause of death was lower during the period from January through March of 1949, than during the same period of last year. Only 16.9 motor vehicle deaths per 100,000 population were re-

corded in the first quarter of 1949 as compared with a rate of 20.1 deaths per 100,000 population in the first quarter of 1948. The great bulk of this improvement in the accident mortality experience occurred among those over sixty-five years of age. Among the aged there were fewer deaths from accidents in the home and in public places. Since the number of persons over sixty-five years of age is increasing each year, the improvement noted for the current period, as compared to the first quarter of 1948, is even greater than the figures themselves indicate.

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST THREE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
ALL ACCIDENTS	1,162	1,390	55.3	67.0
Motor vehicle	354	416	16.9	20.1
Home accidents	465	537	22.1	25.9
Occupational	93	125	4.4	6.0
Public accidents	250	312	11.9	15.0

Note: Rates are expressed as their annual equivalents.

TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,  
 FIRST THREE MONTHS. 1949  
 (All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,411,125	44,333	761	23,481	La Salle	102,681	541	7	312
Chicago	3,615,284	18,468	364	10,033	Lawrence	21,515	21	--	35
Downstate	4,795,841	25,865	397	13,448	Lee	35,919	183	1	130
					Livingston	39,825	177	3	107
Adams	68,187	394	4	222	Logan	30,350	160	2	105
Alexander	26,644	175	6	74	McDonough	27,747	163	3	93
Bond	14,785	1	--	25	McHenry	38,992	180	4	99
Boone	15,711	124	--	53	McLean	77,283	499	11	211
Brown	8,042	6	--	25	Macon	90,298	699	9	245
Bureau	38,680	223	4	113	Macoupin	47,888	41	--	86
Calhoun	8,139	4	--	11	Madison	163,119	1,008	14	441
Carroll	18,473	90	3	38	Marion	49,885	295	2	125
Cass	16,964	83	--	51	Marshall	13,484	3	1	21
Champaign	75,387	692	9	203	Mason	15,763	6	--	15
Christian	40,050	231	5	105	Massac	15,242	42	1	61
Clark	18,940	16	1	44	Menard	10,865	12	--	21
Clay	19,334	29	--	21	Mercer	18,076	6	--	13
Clinton	23,732	108	2	52	Monroe	12,921	1	--	21
Coles	40,328	286	5	105	Montgomery	35,475	259	3	116
Cook	4,386,279	22,711	418	12,332	Morgan	37,693	198	1	230
Crawford	21,778	109	2	64	Moultrie	13,720	10	--	26
Cumberland	11,651	12	1	24	Ogle	30,782	99	--	66
De Kalb	35,912	241	5	102	Peoria	164,192	1,253	22	566
De Witt	18,727	64	--	53	Perry	24,297	117	--	53
Douglas	18,029	77	1	38	Piatt	14,983	46	1	27
Du Page	111,246	500	8	303	Pike	25,559	83	--	72
Edgar	25,022	82	--	76	Pope	7,859	14	1	20
Edwards	9,116	13	--	19	Pulaski	16,189	37	1	45
Effingham	22,698	212	2	71	Putnam	5,368	--	--	4
Fayette	29,512	134	6	61	Randolph	34,815	158	2	60
Ford	15,448	61	2	24	Richland	17,568	149	3	54
Franklin	55,633	168	3	109	Rock Island	121,734	867	9	411
Fulton	46,094	209	3	116	St. Clair	183,165	1,019	24	465
Gallatin	11,608	24	1	22	Saline	39,461	230	6	110
Greene	20,786	127	--	43	Sangamon	124,967	867	12	405
Grundy	19,126	78	--	47	Schuyler	11,442	19	--	14
Hamilton	13,349	51	--	31	Scott	8,292	4	--	6
Hancock	26,825	40	--	53	Shelby	26,501	71	--	68
Hardin	7,870	32	--	15	Stark	9,032	1	--	6
Henderson	9,087	3	--	7	Stephenson	42,312	281	3	126
Henry	45,499	269	7	131	Tazewell	62,269	265	5	111
Iroquois	33,092	131	1	76	Union	21,934	95	4	117
Jackson	39,441	220	9	105	Vermilion	91,198	498	14	253
Jasper	13,342	10	--	16	Wabash	14,183	30	2	26
Jefferson	35,526	259	2	96	Warren	21,941	139	2	62
Jersey	14,030	15	--	24	Washington	15,883	8	--	25
Jo Daviess	20,408	5	--	36	Wayne	22,161	47	--	46
Johnson	10,646	19	--	34	White	20,473	33	--	34
Kane	138,782	1,236	27	559	Whiteside	45,576	285	3	110
Kankakee	64,385	377	4	395	Will	121,285	713	13	309
Kendall	11,319	--	--	12	Williamson	53,702	211	2	167
Knox	54,798	322	8	170	Winnebago	130,318	892	8	339
Lake	132,869	1,022	13	366	Woodford	19,614	3	--	12

\* Estimated population as of February 15, 1949.



TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST THREE MONTHS, 1949

(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes *	23,481	867	1285	1497	147	311	1788	7003	12,731	968
SELECTED CAUSES OF DEATH	22,377	852	1220	1392	108	264	1616	6671	12,322	912
Diseases of infancy, total	956	797	904	926	8	8	8	4	2	15
Premature birth	408	401	408	408	xxx	xxx	xxx	xxx	xxx	4
Maternal causes, total	34	xxx	xxx	xxx	--	8	26	--	xxx	--
Puerperal septicemia	10	xxx	xxx	xxx	--	3	7	--	xxx	--
Puerperal toxemia	9	xxx	xxx	xxx	--	--	9	--	xxx	--
Communicable diseases, total	1,866	44	213	269	26	52	289	601	628	150
Acute respiratory diseases, total	993	42	195	236	16	8	71	226	435	34
Influenza	44	--	6	12	1	--	5	7	19	--
Pneumonia	949	42	189	224	15	8	66	219	416	34
Diphtheria	2	--	1	1	--	--	--	1	--	1
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	3	--	--	--	--	--	--	2	1	--
Measles	1	--	1	1	--	--	--	--	--	--
Meningitis—meningococcus	17	--	4	8	1	--	3	3	2	--
Pertussis (whooping cough)	5	--	3	4	--	--	1	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--	--
Rheumatic fever	8	--	--	--	2	2	--	2	2	--
Scarlet fever	1	--	--	--	--	1	--	--	--	--
Syphilis	182	1	1	1	--	1	19	104	57	9
Tuberculosis—all forms	631	1	5	13	5	39	190	255	129	103
Pulmonary tuberculosis	590	1	3	6	3	37	186	243	115	102
Other communicable diseases	21	--	3	5	--	2	5	7	2	3
Accidents—all forms, total	1,162	3	35	76	40	86	206	263	491	71
Motor vehicle	354	--	3	15	17	54	88	91	89	44
Home	465	3	29	49	8	11	41	69	287	8
Occupational	93	xxx	xxx	xxx	--	10	37	34	12	7
Public	250	--	3	12	15	11	40	69	103	12
Arteriosclerosis	366	xxx	xxx	xxx	--	--	2	32	332	8
Cancer	3,369	--	1	14	7	20	272	1,361	1,695	179
Diabetes	749	--	2	4	2	7	20	276	440	23
Diseases of digestive system, total	982	7	62	88	11	10	121	391	361	56
Appendicitis	57	--	--	3	3	2	12	27	10	--
Cirrhosis of the liver	305	--	1	3	--	--	62	157	83	27
Diarrhea and enteritis	68	5	46	54	2	--	3	3	6	1
Hernia and intestinal obstruction	176	--	4	8	3	4	15	47	99	7
Ulcers of stomach or duodenum	181	1	4	5	--	1	9	91	75	10
Goiter—exophthalmic	50	--	--	--	--	1	7	23	19	3
Heart disease, total	9,269	1	1	5	5	32	409	2,786	6,029	289
Coronary	2,380	--	--	--	--	2	111	1,011	1,255	60
Chronic rheumatic	430	--	--	1	3	19	90	153	164	25
Homicide	86	--	--	--	1	10	45	25	5	2
Intracranial lesions of vascular origin	1,892	--	2	4	4	5	69	509	1,301	52
Nephritis	1,257	--	--	6	3	19	78	292	859	55
Prostatic disease	117	--	--	--	--	--	--	13	104	3
Suicide	222	xxx	xxx	xxx	1	6	64	95	56	6
ALL OTHER KNOWN CAUSES	1,044	15	63	102	35	40	157	319	391	44
CAUSE AS YET UNASSIGNED	60	--	2	3	4	7	15	13	18	12

\* Age not reported for 4 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST THREE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes *	13,554	476	706	813	81	174	1,210	4,689	6,885	992
SELECTED CAUSES OF DEATH	13,045	472	678	768	60	149	1,109	4,509	6,448	950
Diseases of infancy, total	529	442	504	516	2	2	4	3	2	31
Premature birth	224	220	224	224	XXX	XXX	XXX	XXX	XXX	--
Maternal causes, total	18	XXX	XXX	XXX	--	5	13	--	XXX	--
Puerperal septicemia	5	XXX	XXX	XXX	--	2	3	--	XXX	--
Puerperal toxemia	5	XXX	XXX	XXX	--	--	5	--	XXX	--
Communicable diseases, total	1,171	26	118	149	16	37	217	421	331	59
Acute respiratory diseases, total	598	25	107	127	7	5	50	168	241	23
Influenza	8	--	1	2	--	--	2	2	2	--
Pneumonia	590	25	106	125	7	5	48	166	239	23
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	2	--	--	--	--	--	--	1	1	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	12	--	4	7	1	--	2	2	--	1
Pertussis (whooping cough)	3	--	1	2	--	--	1	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--	--
Rheumatic fever	5	--	--	--	2	1	--	2	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	89	1	1	1	--	--	10	55	23	11
Tuberculosis—all forms	451	--	4	11	5	30	151	188	66	23
Pulmonary tuberculosis	417	--	2	5	3	28	148	177	56	21
Other communicable diseases	10	--	1	1	--	1	3	5	--	--
Accidents—all forms, total	582	--	16	34	24	31	114	158	221	52
Motor vehicle	163	--	1	5	6	17	35	44	56	14
Home	227	--	13	25	7	7	32	48	108	24
Occupational	50	XXX	XXX	XXX	--	4	24	17	5	8
Public	142	--	2	4	11	3	23	49	52	6
Arteriosclerosis	160	XXX	XXX	XXX	--	--	2	25	133	39
Cancer	2,044	--	1	11	5	13	186	915	914	112
Diabetes	462	--	--	--	1	5	11	196	249	30
Diseases of digestive system, total	612	4	38	49	3	6	86	271	197	32
Appendicitis	30	--	--	1	1	1	5	18	4	2
Cirrhosis of the liver	220	--	1	3	--	--	48	118	51	8
Diarrhea and enteritis	34	2	27	29	--	--	3	--	2	2
Hernia and intestinal obstruction	92	--	3	4	1	2	9	29	47	6
Ulcers of stomach or duodenum	118	1	4	5	--	1	5	62	45	9
Goiter—exophthalmic	28	--	--	--	--	1	4	14	9	1
Heart disease, total	5,563	--	--	3	3	23	295	1,906	3,331	461
Coronary	1,187	--	--	--	--	1	71	571	544	88
Chronic rheumatic	255	--	--	1	2	14	61	108	69	17
Homicide	61	--	--	--	1	7	34	15	4	1
Intracranial lesions of vascular origin	952	--	1	3	2	3	49	325	570	69
Nephritis	670	--	--	3	2	13	56	192	404	47
Prostatic disease	71	--	--	--	--	--	--	12	59	5
Suicide	122	XXX	XXX	XXX	1	3	38	56	24	11
ALL OTHER KNOWN CAUSES	482	4	28	45	19	20	89	176	133	41
CAUSE AS YET UNASSIGNED	27	--	--	--	2	5	12	4	4	1

\* Age not reported for 2 deaths.

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.  
Counties: Cook, Du Page, Kane, Lake and Will.



TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST THREE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes *	2,541	104	153	184	25	33	144	592	1,562	1,146
SELECTED CAUSES OF DEATH	2,398	101	142	167	18	29	125	562	1,496	1,070
Diseases of infancy, total	125	99	114	118	3	2	1	1	--	49
Premature birth	43	43	43	43	xxx	xxx	xxx	xxx	xxx	11
Maternal causes, total	5	xxx	xxx	xxx	--	1	4	--	xxx	1
Puerperal septicemia	2	xxx	xxx	xxx	--	1	1	--	xxx	1
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Communicable diseases, total	207	1	18	26	6	6	27	57	84	120
Acute respiratory diseases, total	100	1	17	23	6	--	10	10	50	53
Influenza	14	--	3	7	1	--	1	--	5	10
Pneumonia	86	1	14	16	5	--	9	10	45	43
Diphtheria	1	--	--	--	--	--	--	1	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	1	--	--	--	--	--	--	1	--	1
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	2	--	--	--	--	--	--	1	1	2
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	35	--	--	--	--	1	4	20	10	25
Tuberculosis—all forms	63	--	--	--	--	5	13	23	22	37
Pulmonary tuberculosis	61	--	--	--	--	5	12	22	22	36
Other communicable diseases	5	--	1	3	--	--	--	1	1	2
Accidents—all forms, total	123	--	2	8	5	12	15	21	62	44
Motor vehicle	32	--	--	3	3	9	6	9	2	13
Home	54	--	2	3	--	2	1	5	43	21
Occupational	8	xxx	xxx	xxx	--	1	3	3	1	1
Public	29	--	--	2	2	--	5	4	16	9
Arteriosclerosis	45	xxx	xxx	xxx	--	--	--	--	45	22
Cancer	312	--	--	--	--	1	21	107	183	129
Diabetes	71	--	--	1	--	--	4	17	49	35
Diseases of digestive system, total	117	1	8	13	2	2	6	44	50	42
Appendicitis	9	--	--	1	1	--	1	4	2	4
Cirrhosis of the liver	26	--	--	--	--	--	2	12	12	12
Diarrhea and enteritis	11	1	6	9	--	--	--	2	--	5
Hernia and intestinal obstruction	25	--	--	1	--	1	1	8	14	10
Ulcers of stomach or duodenum	21	--	--	--	--	--	2	11	8	4
Goiter—exophthalmic	5	--	--	--	--	--	1	2	2	3
Heart disease, total	996	--	--	1	1	--	30	230	734	460
Coronary	324	--	--	--	--	--	11	117	196	127
Chronic rheumatic	41	--	--	--	--	--	9	12	20	23
Homicide	2	--	--	--	--	--	2	--	--	--
Intracranial lesions of vascular origin	218	--	--	--	1	--	4	42	171	92
Nephritis	132	--	--	--	--	3	6	29	94	57
Prostatic disease	13	--	--	--	--	--	--	1	12	5
Suicide	27	xxx	xxx	xxx	--	2	4	11	10	11
ALL OTHER KNOWN CAUSES	135	3	10	16	6	4	18	28	63	69
CAUSE AS YET UNASSIGNED	8	--	1	1	1	--	1	2	3	7

\* Age not reported for 1 death.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST THREE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)										
CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	636	40	50	54	2	7	53	153	367	257
SELECTED CAUSES OF DEATH	599	38	47	49	2	7	48	141	352	242
Diseases of infancy, total	39	37	38	38	--	1	--	--	--	17
Premature birth	13	13	13	13	XXX	XXX	XXX	XXX	XXX	9
Maternal causes, total	1	XXX	XXX	XXX	--	--	1	--	XXX	1
Puerperal septicemia	1	XXX	XXX	XXX	--	--	1	--	XXX	1
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	50	--	3	4	--	1	7	17	21	22
Acute respiratory diseases, total	31	--	3	4	--	1	1	7	18	15
Influenza	--	--	--	--	--	--	--	--	--	--
Pneumonia	31	--	3	4	--	1	1	7	18	15
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	4	--	--	--	--	--	1	2	1	2
Tuberculosis—all forms	15	--	--	--	--	--	5	8	2	5
Pulmonary tuberculosis	15	--	--	--	--	--	5	8	2	5
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	49	1	4	5	2	2	10	7	23	27
Motor vehicle	17	--	1	1	2	1	6	3	4	12
Home	23	1	3	4	--	--	2	3	14	12
Occupational	--	XXX	XXX	XXX	--	--	--	--	--	--
Public	9	--	--	--	--	1	2	1	5	3
Arteriosclerosis	24	XXX	XXX	XXX	--	--	--	--	24	19
Cancer	87	--	--	--	--	1	8	23	55	24
Diabetes	15	--	1	1	--	--	--	1	13	7
Diseases of digestive system, total	27	--	1	1	--	1	2	11	12	12
Appendicitis	3	--	--	--	--	--	2	1	--	2
Cirrhosis of the liver	9	--	--	--	--	--	--	7	2	4
Diarrhea and enteritis	2	--	1	1	--	--	--	1	--	1
Hernia and intestinal obstruction	5	--	--	--	--	1	--	4	--	1
Ulcers of stomach or duodenum	4	--	--	--	--	--	--	2	2	2
Goiter—exophthalmic	2	--	--	--	--	--	1	--	1	1
Heart disease, total	209	--	--	--	--	--	8	62	139	77
Coronary	69	--	--	--	--	--	2	34	33	32
Chronic rheumatic	20	--	--	--	--	--	2	8	10	3
Homicide	--	--	--	--	--	--	--	--	--	--
Intracranial lesions of vascular origin	43	--	--	--	--	--	3	5	35	15
Nephritis	41	--	--	--	--	1	4	11	25	15
Prostatic disease	2	--	--	--	--	--	--	--	2	1
Suicide	10	XXX	XXX	XXX	--	--	4	4	2	4
ALL OTHER KNOWN CAUSES	36	2	3	5	--	--	5	12	14	14
CAUSE AS YET UNASSIGNED	1	--	--	--	--	--	--	--	1	1

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.  
Counties: Peoria and Tazewell.



TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST THREE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,740	133	211	253	21	43	172	804	2,447	1,883
SELECTED CAUSES OF DEATH	3,520	131	200	233	14	34	158	744	2,337	1,771
Diseases of infancy, total	155	121	144	149	3	3	--	--	--	75
Premature birth	70	67	70	70	--	--	--	--	--	31
Maternal causes, total	4	XXX	XXX	XXX	--	--	4	--	--	3
Puerperal septicemia	1	XXX	XXX	XXX	--	--	1	--	--	1
Puerperal toxemia	2	XXX	XXX	XXX	--	--	2	--	--	1
Communicable diseases, total	210	7	35	43	2	2	14	45	104	104
Acute respiratory diseases, total	134	7	31	39	1	1	2	18	73	75
Influenza	8	--	1	2	--	--	--	2	4	7
Pneumonia	126	7	30	37	1	1	2	16	69	68
Diphtheria	1	--	1	1	--	--	--	--	--	1
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	1	1	--	--	--	--	--	--
Meningitis—meningococcus	1	--	--	--	--	--	1	--	--	1
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	--	--	--	--	1	1
Scarlet fever	1	--	--	--	1	--	--	--	--	1
Syphilis	25	--	--	--	--	--	--	15	10	9
Tuberculosis—all forms	41	--	--	--	--	1	9	11	20	14
Pulmonary tuberculosis	41	--	--	--	--	1	9	11	20	14
Other communicable diseases	4	--	1	1	--	--	2	1	--	1
Accidents—all forms, total	229	2	9	19	6	19	32	27	126	106
Motor vehicle	73	--	1	3	6	12	19	11	22	35
Home	106	2	7	10	--	2	4	5	85	42
Occupational	16	--	--	--	--	2	4	6	4	9
Public	34	--	1	6	--	3	5	5	15	20
Arteriosclerosis	55	XXX	XXX	XXX	XXX	--	--	2	53	30
Cancer	524	--	--	1	--	3	31	174	315	244
Diabetes	110	--	1	2	--	1	2	35	70	61
Diseases of digestive system, total	129	1	10	15	1	1	15	35	62	67
Appendicitis	10	--	--	1	1	1	1	2	4	5
Cirrhosis of the liver	26	--	--	--	--	--	7	9	10	12
Diarrhea and enteritis	9	1	7	8	--	--	--	--	1	6
Hernia and intestinal obstruction	33	--	1	2	--	--	3	5	23	16
Ulcers of stomach or duodenum	21	--	--	--	--	--	1	10	10	9
Goiter—exophthalmic	10	--	--	--	--	--	--	5	5	6
Heart disease, total	1,411	--	--	--	1	2	35	292	1,081	716
Coronary	488	--	--	--	--	--	16	152	320	239
Chronic rheumatic	58	--	--	--	1	--	7	13	37	30
Homicide	7	--	--	--	--	1	3	3	--	2
Intracranial lesions of vascular origin	390	--	1	1	1	1	5	77	305	192
Nephritis	226	--	--	3	--	1	7	31	184	130
Prostatic disease	19	XXX	XXX	XXX	XXX	--	--	--	19	9
Suicide	41	--	--	--	--	--	10	18	13	26
ALL OTHER KNOWN CAUSES	208	2	11	20	7	7	14	57	103	104
CAUSE AS YET UNASSIGNED	12	--	--	--	--	2	--	3	7	8

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Mason, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,  
FIRST THREE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	849	34	46	53	5	12	48	234	497	321
SELECTED CAUSES OF DEATH	804	33	41	47	3	12	40	221	481	304
Diseases of infancy, total	33	31	33	33	--	--	--	--	--	14
Premature birth	17	17	17	17	XXX	XXX	XXX	XXX	XXX	7
Maternal causes, total	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Puerperal septicemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	60	2	7	9	--	1	8	15	27	22
Acute respiratory diseases, total	40	2	7	9	--	1	3	9	18	12
Influenza	4	--	--	--	--	--	1	1	2	--
Pneumonia	36	2	7	9	--	1	2	8	16	12
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	8	--	--	--	--	--	1	3	4	2
Tuberculosis—all forms	11	--	--	--	--	--	4	2	5	8
Pulmonary tuberculosis	11	--	--	--	--	--	4	2	5	8
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	54	--	1	3	--	5	7	16	23	24
Motor vehicle	19	--	--	1	--	3	6	7	2	3
Home	23	--	1	2	--	--	1	4	16	11
Occupational	6	XXX	XXX	XXX	--	2	--	2	2	5
Public	6	--	--	--	--	--	--	3	3	5
Arteriosclerosis	17	XXX	XXX	XXX	--	--	--	1	16	10
Cancer	119	--	--	2	1	--	4	44	68	46
Diabetes	27	--	--	--	--	--	1	6	20	7
Diseases of digestive system, total	27	--	--	--	2	--	4	6	15	10
Appendicitis	1	--	--	--	--	--	--	1	--	1
Cirrhosis of the liver	10	--	--	--	--	--	3	3	4	3
Diarrhea and enteritis	2	--	--	--	1	--	--	--	1	2
Hernia and intestinal obstruction	4	--	--	--	--	--	1	--	3	--
Ulcers of stomach or duodenum	5	--	--	--	--	--	--	2	3	3
Goiter—exophthalmic	1	--	--	--	--	--	--	--	1	--
Heart disease, total	323	--	--	--	--	3	8	98	214	129
Coronary	78	--	--	--	--	--	6	41	31	23
Chronic rheumatic	11	--	--	--	--	3	1	2	5	1
Homicide	6	--	--	--	--	2	1	3	--	--
Intracranial lesions of vascular origin	80	--	--	--	--	1	3	16	60	24
Nephritis	48	--	--	--	--	--	2	14	32	17
Prostatic disease	4	--	--	--	--	--	--	--	4	1
Suicide	5	XXX	XXX	XXX	--	--	2	2	1	--
ALL OTHER KNOWN CAUSES	42	1	5	6	1	--	8	12	15	16
CAUSE AS YET UNASSIGNED	3	--	--	--	1	--	--	1	1	1

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.  
 Counties: Madison and St. Clair.



TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST THREE MONTHS, 1949

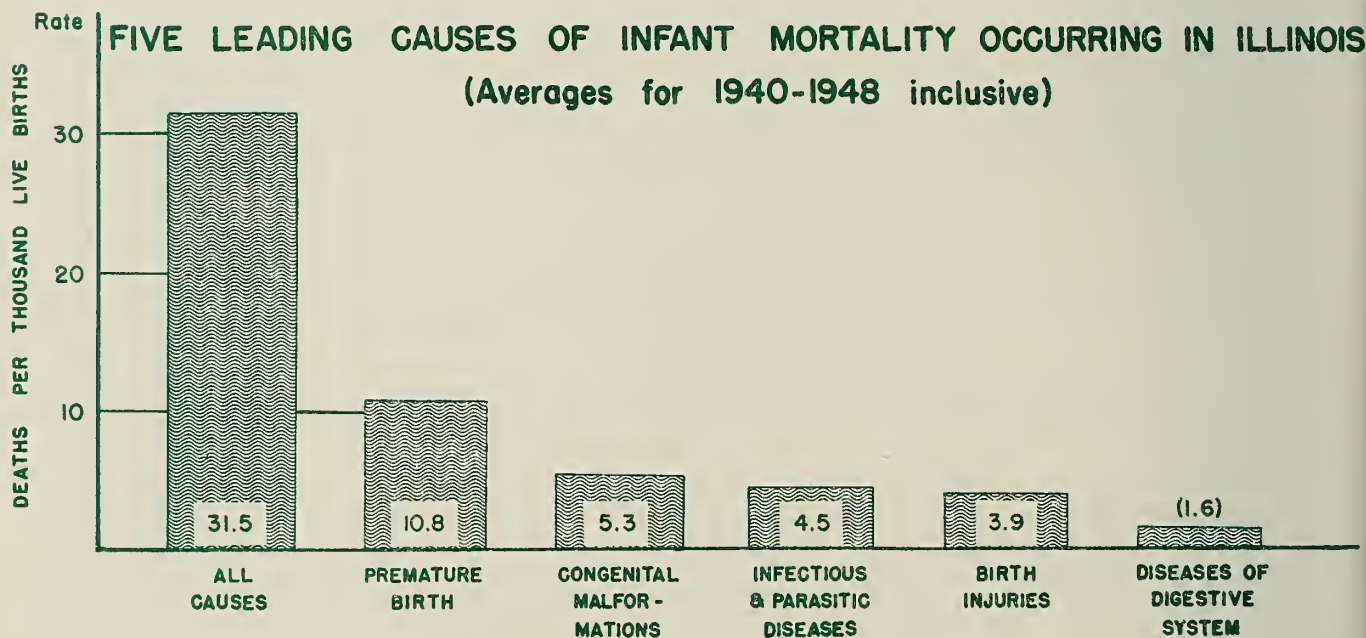
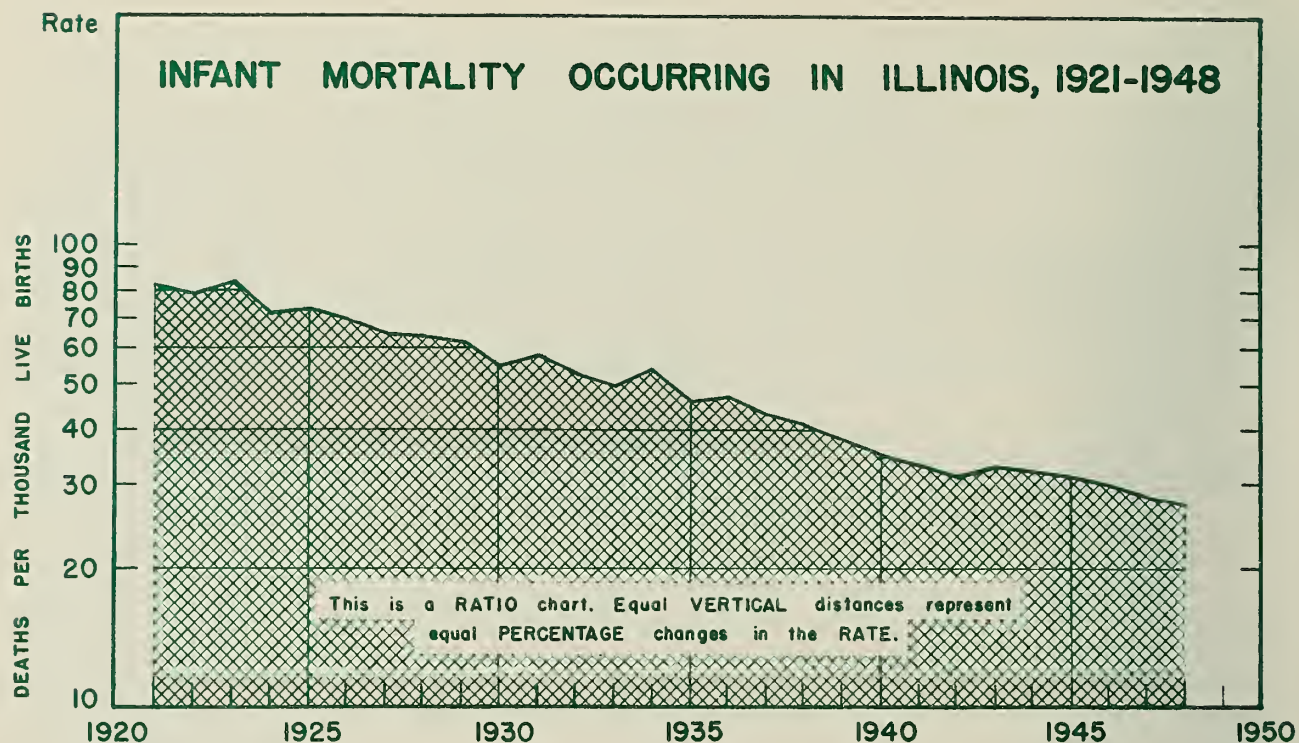
(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,805	70	103	119	11	27	104	400	1,143	1,153
SELECTED CAUSES OF DEATH	1,686	67	97	108	10	20	90	376	1,081	1,076
Diseases of infancy, total	62	59	62	62	--	--	--	--	--	30
Premature birth	36	36	36	36	XXX	XXX	XXX	XXX	XXX	20
Maternal causes, total	5	XXX	XXX	XXX	--	2	3	--	XXX	4
Puerperal septicemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	147	7	27	31	2	4	13	41	56	99
Acute respiratory diseases, total	79	6	25	28	2	--	4	13	32	51
Influenza	10	--	1	1	--	--	1	2	6	7
Pneumonia	69	6	24	27	2	--	3	11	26	44
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	2	--	--	1	--	--	--	--	1	2
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	2	--	--	--	--	1	--	--	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	18	--	--	--	--	--	3	8	7	12
Tuberculosis—all forms	43	1	1	1	--	2	6	20	14	29
Pulmonary tuberculosis	39	1	1	1	--	2	6	20	10	27
Other communicable diseases	2	--	--	--	--	1	--	--	1	2
Accidents—all forms, total	87	--	3	6	3	9	15	25	29	52
Motor vehicle	29	--	--	2	--	6	9	10	2	18
Home	29	--	3	4	1	--	1	4	19	18
Occupational	9	XXX	XXX	XXX	--	1	3	5	--	4
Public	20	--	--	--	2	2	2	6	8	12
Arteriosclerosis	63	XXX	XXX	XXX	--	--	--	4	59	53
Cancer	223	--	--	--	1	--	17	64	141	151
Diabetes	54	--	--	--	1	1	2	16	34	30
Diseases of digestive system, total	53	--	4	8	2	--	4	14	25	34
Appendicitis	3	--	--	--	--	--	2	1	--	2
Cirrhosis of the liver	8	--	--	--	--	--	--	4	4	5
Diarrhea and enteritis	8	--	4	6	1	--	--	--	1	5
Hernia and intestinal obstruction	13	--	--	--	1	--	1	3	8	10
Ulcers of stomach or duodenum	11	--	--	--	--	--	1	3	7	6
Goiter—exophthalmic	4	--	--	--	--	--	1	2	1	2
Heart disease, total	646	1	1	1	--	4	23	152	465	417
Coronary	192	--	--	--	--	1	4	76	110	118
Chronic rheumatic	41	--	--	--	--	2	8	9	22	26
Homicide	9	--	--	--	--	--	4	4	1	2
Intracranial lesions of vascular origin	188	--	--	--	--	--	3	37	148	114
Nephritis	126	--	--	--	1	--	1	14	110	77
Prostatic disease	8	--	--	--	--	--	--	--	8	4
Suicide	11	XXX	XXX	XXX	--	--	4	3	4	7
ALL OTHER KNOWN CAUSES	114	3	5	9	1	7	14	23	60	73
CAUSE AS YET UNASSIGNED	5	--	1	2	--	--	--	1	2	4

\* Age not reported for 1 death.

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.



## *Health Statistics* **BULLETIN**

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
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DIVISION OF VITAL STATISTICS AND RECORDS

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## HIGH BIRTH RATE IN 1949

More babies saw the light of day in 1949 than in any other year except 1947. More than 185,500 live births were recorded in Illinois during 1949 for a rate of 22.0 per thousand population, second only to the all time high of 23.4 recorded in 1947. The live birth experience for the present decade is in sharp contrast to that of the 1930's when an average live birth rate of 14.9 per thousand population was recorded. In fact, there was much speculation and even some prediction that deaths might soon exceed births and we would become a nation with a declining population. However, the 1940's saw a resurgence of live birth rates and, with the rapid formation of new families following demobilization, the birth rate soon climbed to its 1947 peak. From 1940 through 1945 the birth rate averaged 18.0 per thousand population, and from 1946 through 1949 the average birth rate was 22.0. The high rate in 1947 was the result of a large increase in the number of first born babies. The current high birth rate is due to an increase in the number of second and higher order births as both the well established and the newly formed families continue to grow. The outlook is for a gradual recession in birth rates because by the middle fifties there will be fewer people in the child-bearing ages than at present. The fact that fewer children were born in the nineteen twenties will become increasingly apparent in the next ten years.

TABLE A. -- BIRTH AND DEATH RATES

	1949	1948
LIVE BIRTHS per 1,000 population	22.0	21.7
DEATHS per 1,000 population	10.8	10.8

Note: Rates are based on estimates of Illinois' population as follows:  
July 1, 1949 - 8,449,000; July 1, 1948 - 8,348,000.

### FAVORABLE MORTALITY EXPERIENCE

Life saving has kept pace with the increased risk of death in our aging population. Mortality in 1949 was at the same level as in 1948, the death rate for each year being 10.8 per thousand population. This relatively constant death

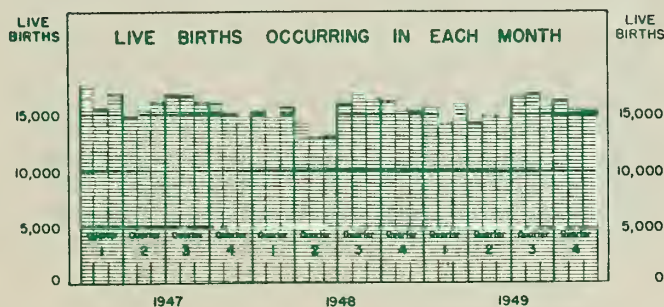
rate has been one of the outstanding features of this decade. With over half of all deaths occurring among the aged, the death rate would inevitably have been much higher than it is today were it not for the great advances made in medicine and the effectiveness of public health protection. The sulfas and the antibiotics provided medical science with amazingly successful tools in their battle to save lives among the sick and the injured. At the same time, public health protection against preventable diseases has reduced many of them to infrequent occurrence.

There were no deaths from smallpox, tularemia, paratyphoid fever, and undulant fever in 1949. This is the eleventh consecutive year in which not a single death from smallpox occurred and the second consecutive year in which not a single case was reported. There was only one death from typhoid fever in 1949. As recently as 1940 there were 33 deaths from typhoid, which at that time seemed unbelievably low.

Public health procedures must be applied continuously to maintain full protection. Only by maximum protection can we prevent such occurrences as the two deaths from rabies and the two deaths from scarlet fever that were recorded in 1949 after having no deaths from these two diseases in 1948 and 1947.

### LEADING CAUSES OF DEATH

The predominant causes of death -- heart disease, cancer, and intracranial lesions of vascular origin -- show almost no appreciable change in 1949 as compared to 1948, despite the increase in the number of aged in our population.





## STATE OF ILLINOIS

ADLAI E. STEVENSON  
GOVERNOR

## DEPARTMENT OF PUBLIC HEALTH

ROLAND R. CROSS, M.D.  
DIRECTOR*Health Statistics*  
**BULLETIN**

RELEASED FOR THE USE OF PROFESSIONAL WORKERS IN HEALTH

ADDRESS MAIL FOR THE HEALTH STATISTICS BULLETIN TO  
O. K. SAGEN, PH.D., CHIEF  
DIVISION OF VITAL STATISTICS AND RECORDS

Tuberculosis mortality hit a new low level of 29.0 per hundred thousand population as compared to 31.3 in 1948. This lower tuberculosis mortality helps in the reduction of mortality among the elders in our population since over half of all tuberculosis deaths occur among persons over 45 years old. Mortality from influenza and pneumonia was low in 1949. The absence of any outbreak of influenza and pneumonia was an important factor in holding down mortality in general in 1949.

TABLE B. -- FETAL, INFANT, AND  
MATERNAL MORTALITY RATES

	Per 1,000 live births	
	1949	1948
FETAL MORTALITY (Stillbirths)	17.3	18.1
NEONATAL MORTALITY (under 1 month)	20.3	20.5
INFANT MORTALITY (under 1 year)	27.4	27.6
Premature birth	10.0	10.5
MATERNAL MORTALITY	0.8	0.8

## MATERNAL AND INFANT MORTALITY

Maternal mortality was at a record low of 0.8 deaths per thousand live births in 1949. Only 144 maternal deaths were recorded in 1949 as compared to 149 for 1948, despite the fact that there were 4,000 more births in 1949. Women at all stages of life have shared in this lowered mortality. However, the relative hazards at different ages remain much as they were. As compared to younger women, the risk of childbirth to a woman over 35 years of age has not been lessened. Stillbirths were at a new minimum of 17.3 per thousand live births, a one-third reduction from the rate of 25.7 recorded

only nine years ago. Again we find less mortality associated with early infancy. Infant mortality in 1949 was 22 per cent below the 1940 rate and neonatal death rate was 15 per cent below the corresponding rate for 1940. There was, however, an increase in mortality from diarrhea and enteritis among infants in the city of Chicago. The total of 120 infant deaths from diarrhea and enteritis recorded in Chicago in 1949 is more than double the 57 such deaths recorded in 1948. The increase occurred among babies over one month of age, with the infection apparently beginning at home.

TABLE C. -- MORTALITY FROM THE TEN  
LEADING CAUSES

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
Heart disease	34,739	33,787	411.2	404.7
Cancer	13,940	13,674	165.0	163.8
Cerebral hemorrhage*	7,107	7,125	84.1	85.3
All accidents	5,250	5,623	62.1	67.4
Nephritis	4,814	5,048	57.0	60.5
Diabetes	2,891	2,784	34.2	33.3
Influenza and pneumonia	2,849	2,711	33.7	32.5
Tuberculosis	2,452	2,609	29.0	31.3
Premature birth	1,864	1,903	22.1	22.8
Arteriosclerosis	1,500	1,375	17.8	16.5

\*Intracranial lesions of vascular origin.

## ACCIDENTS

Motor vehicle accident mortality in 1949 was ten per cent lower than in 1948, the corresponding rates being 20.8 deaths per hundred thousand population for 1949 and 23.0 for 1948. There was a substantial reduction in the mortality experience for accidents occurring at work. Only 408 occupational accident deaths were recorded in 1949 as compared to 552 in 1948. Mortality from accidents occurring in the home and in public places was essentially the same in 1949 as in 1948.

TABLE D. -- ACCIDENTAL DEATHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
ALL ACCIDENTS	5,250	5,623	62.1	67.4
Motor vehicle	1,755	1,919	20.8	23.0
Home accidents	1,814	1,846	21.5	22.1
Occupational	408	552	4.8	6.6
Public accidents	1,273	1,306	15.0	15.7



## POLIO EPIDEMIC DISASTER AT EFFINGHAM

The unusual and the spectacular always command a great deal of attention. The year 1949 will be remembered for the disastrous hospital fire at Effingham that claimed 71 lives and the severe poliomyelitis epidemic that brought on 231 deaths. This is the highest mortality from polio ever recorded in Illinois.

There were 2.7 polio deaths per 100,000 population in 1949, the highest since 1921 when a rate of 2.2 was recorded. The year 1946 saw the last recent epidemic when a rate of 2.1, as computed from 171 deaths was recorded. The case fatality ratio was also higher in 1949 with a ratio of eight per cent as compared to seven per cent in 1946. At the same time, the highest risk of death from polio has been shifting towards the older ages. The greatest mortality risk is now among those in their twenties.

More than two-thirds of the 2,911 poliomyelitis cases were reported from downstate Illinois. Eight downstate counties reported 90 or more cases during the year. In order of magnitude they were: Champaign, Knox, Kane, Marion, Du Page, Sangamon, Peoria, and Madison counties. The city of Chicago had fewer cases and fewer deaths from polio in 1949 than in 1946, the corresponding figures being 430 cases and 43 deaths in 1949, and 750 cases and 59 deaths in 1946.

### CHANGING POPULATION TRENDS

Current mortality and natality trends are

producing many changes in our population. People are living longer and so we have many more aged in our population -- one out of twelve today as compared to one out of fourteen in 1940. Today, a newborn child can expect to live to be 68 years of age as compared to only 65 years in 1940. Our population is growing at a rate of over eleven per thousand inhabitants due to the high birth rate and the favorable mortality experience. This is more than double the rate of growth seen in the 1930's.

These very changes in the composition of our population are also having their effect on the course of public health. There is an increasing awareness of the importance of successfully combating the degenerative diseases that accompany the aging process. The prevention of disability -- mental as well as physical -- is becoming one of the prime tasks of public health. Programs for accident prevention are being developed to cut down the heavy toll of injury and death. An increasing proportion of our population are in the non-productive ages -- the very young and the aged. Thus, persons in the productive ages will have a heavier task in the production of food, shelter, and clothing. Injury, disability, and death during the productive years places a two fold burden on the individual and society. There is the direct monetary cost for medical and other expenses and the present as well as the future economic loss through lowered productivity. Minimizing this loss by protecting all phases of the health of the individual will depend on the future success of the science of medicine and public health.

TABLE E. -- AGE SELECTION OF POLIO DEATHS IN CERTAIN EPIDEMIC YEARS

YEAR	PERCENT OF DEATHS AT EACH STAGE OF LIFE							
	All Ages	0-4 years	5-9 years	10-14 years	15-19 years	20-29 years	30-39 years	40 and over
1927	100.0	35.9	23.3	19.4	6.6	11.7	1.9	1.0
1931	100.0	28.5	20.6	22.5	13.7	9.8	2.9	2.0
1937	100.0	23.3	16.7	20.0	17.8	10.0	5.5	6.7
1943	100.0	9.9	29.6	30.3	13.2	10.5	3.9	2.6
1945	100.0	11.8	26.9	23.6	9.7	9.7	9.7	8.6
1946	100.0	14.0	21.1	18.7	14.6	17.0	8.8	5.8
1949	100.0	12.1	16.8	16.8	12.6	29.8	8.1	3.8

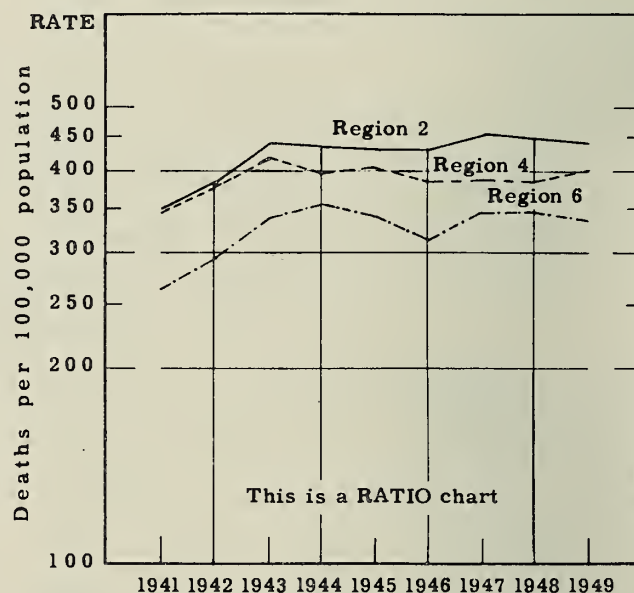
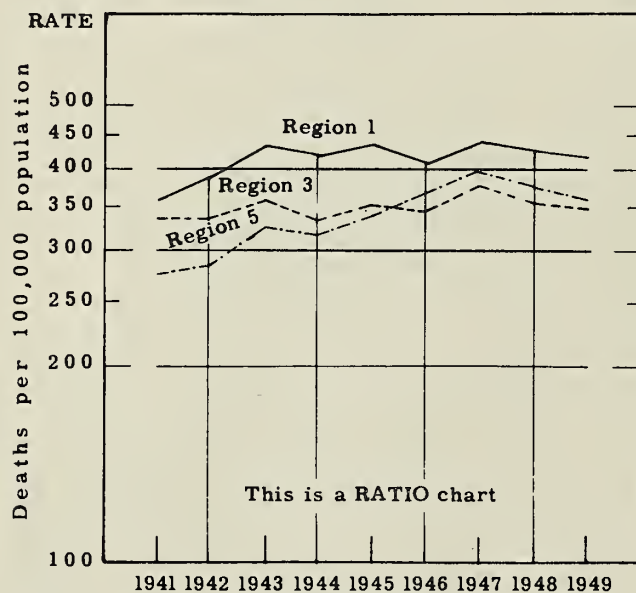
## MORTALITY BY REGION

The graphs on page 4 and the back page show the trend of mortality from selected causes for each of the six regions in the State. (For map of the state by region see page five).

Mortality from heart disease in each region exhibits the same slowly rising trend seen for the entire State, and for the nation as a whole.

Region 6 (Southern Area) has the lowest death rate from heart disease. However, the available evidence indicates that under-registration of deaths and births is negligible everywhere except in the southern portion of the State. Therefore, the rates in that area tend to underestimate actual conditions.

## HEART DISEASE MORTALITY BY REGION OF RESIDENCE: ILLINOIS, 1941-1949

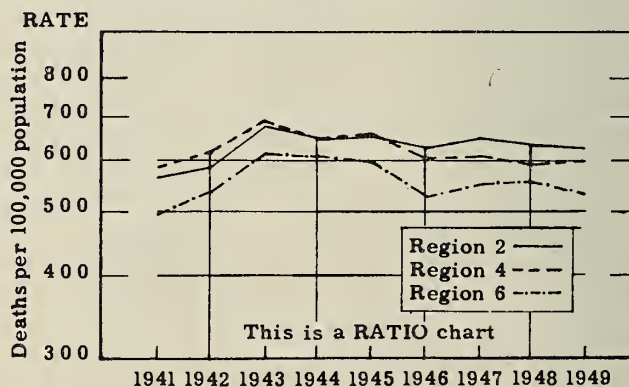
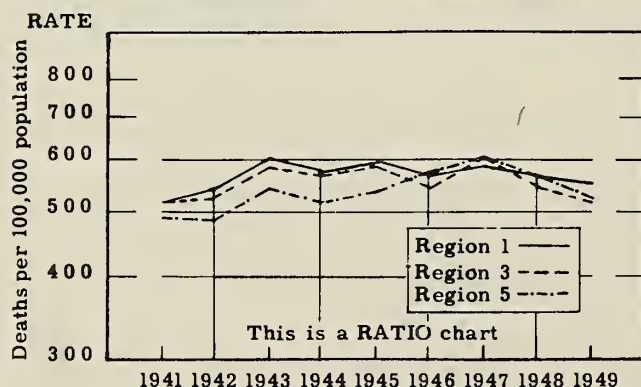


When we take the cardiovascular-renal diseases as a group some additional facts come to light. The "spread" between the rates for each region is much smaller. This is due to the fact that mortality from arteriosclerosis, nephritis, and intracranial lesions of vascular origin is lower in Region 1 than in the rest of the State while at the same time mortality from heart disease is high in Region 1. More important perhaps is the very slight, if any, rise in the death rate for the cardiovascular-renal diseases as a group. A detailed study of the relationship between the trend of the death rate

for heart disease and the cardiovascular-renal diseases was published recently by the U. S. Public Health Service.<sup>1</sup> They concluded that with the rise in heart disease at ages over 45 years, there has been a compensating decrease in the mortality from causes of death closely associated with heart disease, such as intracranial lesions of vascular origin, chronic nephritis, and arteriosclerosis. This compensating effect is sufficient to remove all signs of an upward trend when the entire class of causes is taken as a group.

MORTALITY FROM CARDIOVASCULAR-RENAL DISEASES BY REGION OF RESIDENCE:  
ILLINOIS, 1941-1949

(Heart disease, intracranial lesions of vascular origin, arteriosclerosis, and nephritis.)



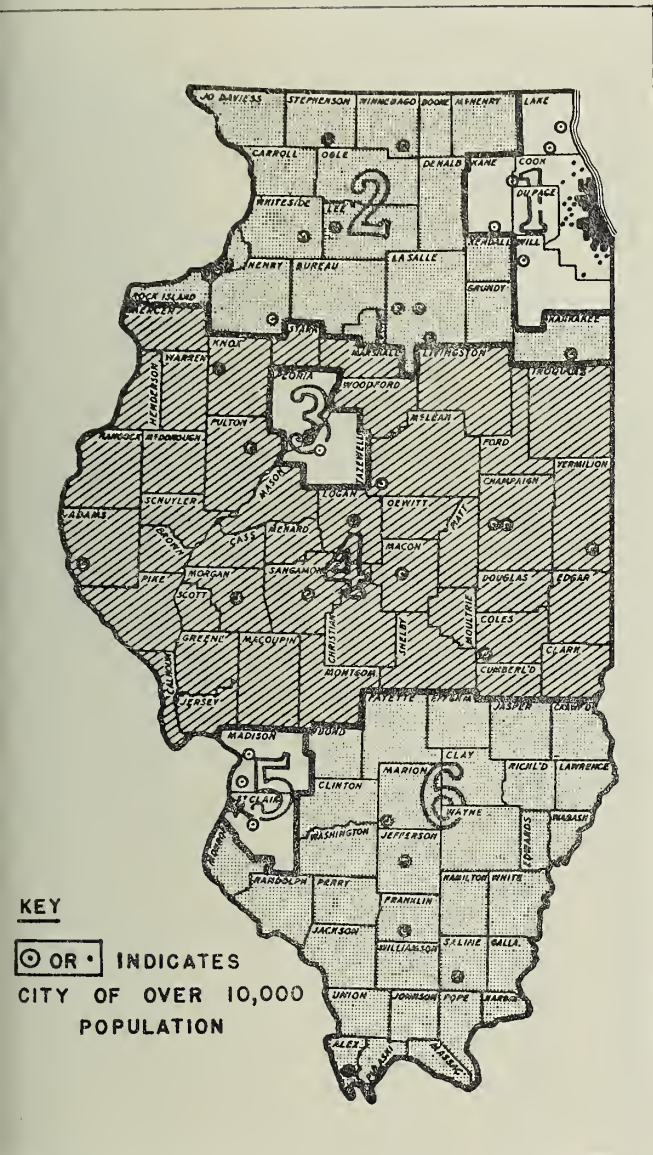
The highest cancer mortality is to be found in Region 1 (Chicago Metropolitan Area) and the lowest in Region 6 (Southern Area). However,

until the information from the 1950 census is see REGION MORTALITY on back page

<sup>1</sup> Federal Security Agency, Public Health Service, Vol. 63, No. 39.



## THE SIX MAJOR REGIONS OF ILLINOIS



AREA	POPULATION - 1940 CENSUS		
	Total	Urban*	Rural*
REGION 1 - CHICAGO METROPOLITAN			
Cook County.....	4,063,342	3,956,153	107,189
Berwyn.....	48,451	48,451	—
Blue Island.....	16,638	16,638	—
Brookfield.....	10,817	10,817	—
Calumet City.....	13,214	13,214	—
Chicago.....	3,396,808	3,396,808	—
Chicago Heights.....	22,461	22,461	—
Cicero.....	64,712	64,712	—
Elmwood Park.....	13,689	13,689	—
Evanston.....	65,389	65,389	—
Forest Park.....	14,840	14,840	—
Harvey.....	17,878	17,878	—
LaGrange.....	10,479	10,479	—
Maywood.....	26,648	26,648	—
Melrose Park.....	10,933	10,933	—
Oak Park.....	66,015	66,015	—
Park Ridge.....	12,063	12,063	—
Wilmette.....	17,226	17,226	—
Winnetka.....	12,430	12,430	—
DuPage County.....	103,480	73,204	30,276
Elmhurst.....	15,458	15,458	—
Kane County.....	130,206	99,934	30,272
Aurora.....	47,170	47,170	—
Elgin.....	38,333	38,333	—
Lake County.....	121,094	79,652	41,442
Highland Park.....	14,476	14,476	—
Waukegan.....	34,241	34,241	—
Will County.....	114,210	47,608	66,602
Joliet.....	42,365	42,365	—
REGION 2 - NORTHERN			
Boone County.....	15,202	8,094	7,108
Bureau County.....	37,600	10,234	27,366
Carroll County.....	17,987	4,792	13,195
DeKalb County.....	34,388	16,456	17,932
Grundys County.....	18,398	6,145	12,253
Henry County.....	43,798	23,537	20,261
Kewanee.....	16,901	16,901	—
Jo Daviess County.....	19,989	4,126	15,863

AREA	POPULATION - 1940 CENSUS		
	Total	Urban*	Rural*
REGION 3 - PEORIA METROPOLITAN			
Peoria County.....	153,374	109,463	43,911
Peoria.....	105,087	105,087	—
Tazewell County.....	58,362	29,748	28,614
Pekin.....	19,407	19,407	—
REGION 4 - CENTRAL			
Adams County.....	65,229	40,469	24,760
Quincy.....	40,469	40,469	—
Brown County.....	8,053	—	8,053
Calhoun County.....	8,207	—	8,207
Cass County.....	16,245	6,505	9,740
Champaign County.....	70,578	37,352	33,226
Champaign.....	23,302	23,302	—
Urban.....	14,064	14,064	—
Christian County.....	38,564	14,279	24,285
Clark County.....	18,842	5,301	13,541
Coles County.....	38,470	24,024	14,446
Mattoon.....	15,827	15,827	—
Cumberland County.....	11,698	—	11,698
DeWitt County.....	18,244	6,331	11,913
Douglas County.....	17,590	2,838	14,752
Edgar County.....	24,430	9,281	15,149
Ford County.....	15,007	3,106	11,901
Fulton County.....	44,627	11,577	33,050
Canton.....	11,577	11,577	—
Greene County.....	20,292	5,582	14,710
Hancock County.....	26,297	2,575	23,722
Henderson County.....	8,949	—	8,949
Iroquois County.....	32,496	3,744	28,752
Jersey County.....	13,636	4,809	8,827
Knox County.....	52,250	32,094	20,156
Galesburg.....	28,876	28,876	—
Livingston County.....	38,838	9,585	29,253
Logan County.....	29,438	12,752	16,686
Lincoln.....	12,752	12,752	—
McDonough County.....	26,944	11,670	15,274
McLean County.....	73,930	39,851	34,079
Macon County.....	84,693	59,305	25,388
Decatur.....	59,305	59,305	—
Macoupin County.....	46,304	19,217	27,087
Marshall County.....	13,179	—	13,179
Mason County.....	15,358	3,999	11,359
Menard County.....	10,663	2,548	8,115
Mercer County.....	17,701	2,593	15,108
Montgomery County.....	34,499	14,124	20,375
Morgan County.....	36,378	19,844	16,534
Jacksonville.....	19,844	19,844	—
Moultrie County.....	13,477	3,101	10,376
Platt County.....	14,659	2,523	12,136
Pike County.....	25,340	2,884	22,456
Sangamon County.....	117,912	75,503	42,409
Springfield.....	75,503	75,503	—
Schuyler County.....	11,430	—	11,430
Scott County.....	8,176	—	8,176
Shelby County.....	26,290	4,092	22,198
Stark County.....	8,881	—	8,881
Vermilion County.....	86,791	48,981	37,810
Warren County.....	21,286	9,096	12,190
Woodford County.....	19,124	—	19,124
REGION 5 - EAST ST. LOUIS METROPOLITAN			
Madison County.....	149,349	104,638	44,711
Alton.....	31,255	31,255	—
Granite City.....	22,974	22,974	—
St. Clair County.....	166,899	108,537	58,362
Belleview.....	28,405	28,405	—
East Saint Louis.....	75,609	75,609	—
REGION 6 - SOUTHERN			
Alexander County.....	25,496	14,407	11,089
Cairo.....	14,407	14,407	—
Bond County.....	14,540	3,391	11,149
Clay County.....	18,947	5,474	13,473
Clinton County.....	22,912	3,225	19,687
Edwards County.....	21,294	4,311	16,983
Effingham County.....	8,974	—	8,974
Fayette County.....	22,034	6,180	15,854
Franklin County.....	29,159	5,288	23,871
West Frankfort.....	53,137	26,594	26,543
Gallatin County.....	12,383	12,383	—
Hamilton County.....	11,414	—	11,414
Hardin County.....	13,454	2,528	10,926
Jackson County.....	7,759	—	7,759
Jackson County.....	37,920	17,526	20,394
Jasper County.....	13,431	—	13,431
Jefferson County.....	34,375	14,724	19,651
Mount Vernon.....	14,724	14,724	—
Johnson County.....	10,727	—	10,727
Lawrence County.....	21,075	6,213	14,862
Marion County.....	47,989	23,028	24,961
Centralia.....	16,343	16,343	—
Masac County.....	14,937	6,287	8,650
Monroe County.....	12,754	—	12,754
Pope County.....	23,438	10,661	12,777
Pulaski County.....	7,999	—	7,999
Randolph County.....	15,875	—	15,875
Richland County.....	33,608	8,744	24,864
Saline County.....	17,137	7,831	9,306
Harrisburg.....	38,066	16,344	21,722
Union County.....	11,453	11,453	—
Wabash County.....	21,528	4,092	17,436
Washington County.....	13,724	6,987	6,737
Wayne County.....	15,801	—	15,801
White County.....	22,092	4,008	18,084
Williamson County.....	20,027	4,098	15,929
Williamson County.....	51,424	26,914	24,510

\*Incorporated places of 4,500 population or more are considered urban and places under 2,500 are considered rural.

**BASIC HEALTH STATISTICS: ILLINOIS, 1940-1949**  
**TABLE : -NUMBER OF BIRTHS, DEATHS, AND REPORTED CASES**

(Deaths are those occurring within the State. Cases are those reported to Illinois health officers.)

	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
POPULATION (As of July 1)		7,906,514	7,943,608	7,904,164	7,593,255	7,630,000	7,721,000	8,028,453	8,221,000	8,348,000	8,449,000
LIVE BIRTHS		123,211	134,447	154,075	152,670	138,805	135,042	171,282	192,420	181,204	185,000
DEATHS - ALL CAUSES		88,233	85,552	86,707	90,714	87,144	89,204	88,429	92,393	89,902	90,000
MATERNAL AND INFANT DEATHS											
Maternal causes	140 - 150	359	331	292	309	254	251	229	200	149	
Stillbirths		3,162	3,197	3,389	3,389	3,049	2,927	3,645	3,625	3,275	3,000
Neonatal deaths	All causes	2,961	3,146	3,548	3,409	3,023	2,958	3,918	4,185	3,714	3,000
Infant deaths	All causes	4,331	4,564	5,075	5,070	4,496	4,300	5,179	5,557	5,008	5,000
Premature birth	159	1,510	1,515	1,792	1,683	1,310	1,361	1,954	1,971	1,906	1,000
Diarrhea and enteritis (Under 2 yrs.)	119	199	259	234	260	191	204	181	170	168	
EXTERNAL CAUSES											
Accidents - all forms	169 - 195	5,845	6,097	5,202	4,985	4,899	5,232	5,537	5,843	5,649	5,000
Motor vehicle accidents	170	2,315	2,566	1,650	1,283	1,317	1,547	1,825	1,942	1,939	1,000
Homicide	165 - 168	343	363	352	293	312	358	474	421	492	
Suicide	163 - 164	1,154	1,043	937	812	755	846	937	954	877	
GENERAL CAUSES											
Appendicitis	121	824	708	538	509	501	399	352	308	267	
Arteriosclerosis	97	1,364	1,278	1,286	1,512	1,525	1,624	1,528	1,439	1,377	1,000
Cancer	45 - 55	11,310	11,590	11,815	12,142	12,482	12,865	12,910	13,446	13,682	13,000
Cerebral hemorrhage †	83	6,744	6,594	6,735	7,186	6,759	7,235	7,057	7,421	7,130	7,000
Cirrhosis of the liver	124	862	844	908	884	866	895	981	1,159	1,188	1,000
Diabetes mellitus	61	2,632	2,283	2,448	2,558	2,605	2,700	2,543	2,736	2,785	2,000
Diarrhea and enteritis (Over 2 yrs.)	120	225	178	134	135	126	98	96	102	74	
Diseases of infancy, total	157 - 161	3,073	3,269	3,698	3,616	3,307	3,201	4,167	4,438	4,048	4,000
Goiter	63b	285	252	250	233	221	224	201	177	164	
Heart disease	90 - 95	27,614	27,005	29,126	31,322	30,680	31,891	31,422	34,235	33,809	34,000
Hernia and intestinal obstruction	122	764	810	793	817	833	760	732	703	655	
Nephritis	130 - 132	7,241	6,835	6,539	6,840	6,107	6,132	5,593	5,237	5,049	4,000
Prostatic disease	137	614	560	588	634	650	558	585	579	525	
Stomach, duodenal ulcers	117	559	651	583	620	619	594	538	604	633	
COMMUNICABLE DISEASES											
Chickenpox-----Deaths	38e	3	6	6	3	6	8	6	3	6	16,000
Cases		18,053	16,167	13,618	12,648	16,498	10,510	11,717	14,272	15,926	
Diphtheria-----Deaths	10	86	58	63	78	23	15	31	12	10	
Cases		936	940	815	587	315	194	469	169	87	
Dysentery-----Deaths	27	47	35	54	29	34	28	22	22	16	
Cases †		202	256	453	152	204	324	236	326	502	
Encephalitis-----Deaths	37	24	25	24	28	33	42	22	24	19	
Cases		71	110	71	83	78	68	57	60	81	
Influenza-----Deaths	33	645	510	373	630	521	342	242	243	132	
Cases		1,124	1,402	608	2,096	1,439	1,018	345	1,125	172	
Malaria-----Deaths	28	18	8	15	9	4	8	14	6	5	
Cases		199	127	92	122	23	6	37	11	8	
Measles-----Deaths	35	14	88	36	53	85	10	52	9	84	5,000
Cases		8,669	57,075	10,060	29,694	19,451	7,930	25,995	8,341	41,901	
Meningitis (Meningococcus)-Deaths	6	14	17	27	151	186	134	75	45	54	
Cases		50	69	90	793	996	611	363	204	214	
Mumps-----Deaths	44c	4	2	5	3	4	3	1	--	2	
Cases		6,409	13,063	7,388	7,108	6,268	7,205	5,290	6,492	11,749	8,000
Paratyphoid-----Deaths	2	3	2	--	1	1	1	1	1	3	
Cases		19	14	11	13	9	9	10	6	10	
Pneumonia, all forms-----Deaths	107 - 109	3,738	3,180	3,173	3,184	2,748	2,911	2,796	3,037	2,580	2,000
Cases		14,592	12,420	11,359	11,419	8,567	6,813	6,287	4,754	5,070	4,000
Poliomyelitis-----Deaths	36	54	22	34	152	34	93	171	26	65	
Cases		581	374	487	1,576	560	1,104	2,554	860	1,104	2,000
Rabies-----Deaths	38b	1	1	1	1	2	2	1	--	--	
Cases		1	1	1	1	2	3	2	--	--	
Rheumatic fever (acute)----Deaths	58	134	106	78	76	71	73	62	47	42	
Cases §		#	#	#	#	399	275	320	186	157	
Rocky Mt. spotted fever----Deaths	39c	4	4	2	2	1	--	4	3	2	
Cases		18	19	25	12	13	18	41	31	17	
Scarlet fever-----Deaths	8	67	42	33	22	28	27	10	1	--	
Cases		20,814	11,583	7,754	6,989	11,731	10,521	6,397	4,063	4,512	3,000
Smallpox-----Deaths	6	--	--	--	--	--	--	--	--	--	
Cases		167	102	60	68	12	12	6	2	--	
Tetanus-----Deaths	12	28	25	28	30	20	17	11	7	9	
Cases		42	32	38	44	30	32	37	30	20	
Tuberculosis, all forms----Deaths	13 - 22	3,654	3,474	3,249	3,240	3,125	3,119	2,958	2,770	2,610	2,000
Cases		8,574	9,412	9,415	8,740	7,967	6,305	6,587	7,772	6,982	7,000
Tularemia-----Deaths	26a	23	6	1	1	10	6	9	--	2	
Cases		272	106	67	55	91	131	98	124	57	
Typhoid fever-----Deaths	1	33	26	18	10	12	9	9	9	3	
Cases		310	280	233	121	102	87	106	139	93	
Undulant fever-----Deaths	5	5	10	7	5	4	3	1	5	4	
Cases		155	217	265	306	322	324	478	554	513	
Whooping cough-----Deaths	9	65	90	95	98	42	53	30	41	26	
Cases		6,411	7,707	11,759	7,459	3,194	4,106	5,431	4,795	2,202	3,000
VENEREAL DISEASES											
Gonococcus infection-----Deaths	25	16	13	10	2	8	6	7	4	4	
Cases		17,281	19,249	20,606	21,580	22,580	27,117	37,956	32,794	28,725	25,000
Syphilis-----Deaths	30	1,014	951	840	851	843	792	747	676	596	
Cases		21,979	23,484	28,678	28,680	25,165	21,675	23,701	19,360	17,005	13,000

\* 1949 figures are provisional.

† Intracranial lesions of vascular origin.

‡ Amebiasis carriers, included in the dysentery group for 1945 to 1949.

§ The regulation requiring the reporting of cases of rheumatic fever in downstate Illinois only, went into effect July 1, 1943.

# Not available.



TABLE : - NATALITY, MORBIDITY, AND MORTALITY RATES

(Based on deaths occurring within the State and cases reported to Illinois health officers. The birth rate and the rate for Mortality all causes are per 1,000 population. Maternal infant causes, except diarrhea and enteritis, are per 1,000 live births. All other rates are per 100,000 population. Population estimated for each year as of July 1.)

	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949*
IRTHS		15.6	16.9	19.5	20.1	18.2	17.5	21.3	23.4	21.7	22.0
IRTHS - ALL CAUSES		11.2	10.8	11.0	11.9	11.4	11.6	11.0	11.2	10.8	10.8
TERNAL AND INFANT CAUSES											
Maternal causes	140 - 150	2.9	2.5	1.9	2.0	1.8	1.9	1.3	1.0	0.8	0.8
Stillbirths		25.7	23.8	22.0	22.2	22.0	21.7	21.3	18.8	18.1	17.3
Infant mortality	All causes	24.0	23.4	23.0	22.3	21.8	21.9	22.9	21.7	20.5	20.3
Infant mortality	All causes	35.2	33.9	32.9	33.2	32.4	31.8	30.2	28.9	27.6	27.4
Immature birth	159	12.3	11.3	11.6	11.0	9.4	10.1	11.4	10.2	10.5	10.0
Diarrhea and enteritis (Under 2 yrs.)	119	2.5	3.3	3.0	3.4	2.5	2.6	2.3	2.1	2.0	2.9
TERNAL CAUSES											
Accidents - all forms	169 - 195	73.9	76.8	65.8	65.7	64.2	67.8	69.0	71.1	67.7	62.1
Motor vehicle accidents	170	29.3	32.3	20.9	16.9	17.3	20.0	22.7	23.6	23.2	20.8
Homicide	165 - 168	4.3	4.6	4.5	3.9	4.1	4.6	5.9	5.1	5.9	4.7
Suicide	163 - 164	14.6	13.1	11.9	10.7	9.9	11.0	11.7	11.6	10.5	11.7
INTERNAL CAUSES											
Appendicitis	121	10.4	8.9	6.8	6.7	6.6	5.2	4.4	3.7	3.2	3.0
Arteriosclerosis	97	17.3	16.1	16.3	19.9	20.0	21.0	19.0	17.5	16.5	17.8
Cancer	45 - 55	143.0	145.9	149.5	159.9	163.6	166.6	160.8	163.6	163.9	165.0
Cerebral hemorrhage †	83	85.3	83.0	85.2	94.6	88.6	93.7	87.9	90.3	85.4	84.1
Cirrhosis of the liver	124	10.9	10.6	11.5	11.6	11.3	11.6	12.2	14.1	14.2	14.6
Diabetes mellitus	61	33.3	28.7	31.0	33.7	34.1	35.0	31.7	33.3	33.4	34.2
Diarrhea and enteritis (Over 2 yrs.)	120	2.8	2.2	1.7	1.8	1.7	1.3	1.2	1.2	0.9	1.1
Diseases of infancy, total	157 - 161	38.9	41.2	46.8	47.6	43.3	41.5	51.9	54.0	48.5	47.8
Diphtheria	63b	3.6	3.2	3.2	3.1	2.9	2.9	2.5	2.2	2.0	1.9
Heart disease	90 - 95	349.3	340.0	368.5	412.5	402.1	413.0	391.4	416.4	405.0	411.2
Hernia and intestinal obstruction	122	9.7	10.2	10.0	10.8	10.9	9.8	9.1	8.6	7.8	7.6
Nephritis	130 - 132	91.6	86.0	82.7	90.1	80.0	79.4	69.7	63.7	60.5	57.0
Prostatic disease	137	7.8	7.0	7.4	8.3	8.5	7.2	7.3	7.0	6.3	5.7
Stomach, duodenal ulcers	117	7.1	8.2	7.4	8.2	8.1	7.7	6.7	7.3	7.6	7.8
COMMUNICABLE DISEASES											
Diphtheria	38c	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1
Cases		228.3	203.5	172.3	166.6	216.2	136.1	145.9	173.6	190.8	192.9
Epidemic typhus	10	1.1	0.7	0.8	1.0	0.3	0.2	0.4	0.1	0.1	0.0
Cases		11.8	11.8	10.3	7.7	4.1	2.5	5.8	2.1	1.0	0.6
Dysentery	27	0.6	0.4	0.7	0.4	0.4	4.2	0.3	0.3	0.2	0.2
Cases †		2.6	3.2	5.7	2.0	2.7	0.4	2.9	4.0	6.0	7.3
Encephalitis	37	0.3	0.3	0.3	0.4	0.4	0.5	0.3	0.3	0.2	0.2
Cases		0.9	1.4	0.9	1.1	1.0	0.9	0.7	0.7	1.0	0.7
Influenza	33	8.2	6.4	4.7	3.3	6.8	4.4	3.0	3.0	1.6	0.9
Cases		14.2	17.6	7.7	27.6	18.9	13.2	4.3	13.7	2.1	3.7
Malaria	28	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Cases		2.5	1.6	1.2	1.6	0.3	0.1	0.5	0.1	0.1	0.0
Measles	35	0.2	1.1	0.5	0.7	1.1	0.1	0.6	0.1	1.0	0.1
Cases		109.6	718.5	127.3	391.1	254.9	102.7	323.8	101.5	501.9	68.9
Meningitis (Meningococcus)	6	0.2	0.2	0.3	2.0	2.4	1.7	0.9	0.5	0.6	0.6
Cases		0.6	0.9	1.1	10.4	13.1	7.9	4.5	2.5	2.6	2.4
Mumps	44c	0.1	0.0	0.1	0.0	0.1	0.0	0.0	-0-	0.0	0.0
Cases		81.1	164.4	93.5	93.6	82.1	93.3	65.9	79.0	140.7	101.1
Paratyphoid	2	0.0	0.0	-0-	0.0	0.0	0.0	0.0	0.0	0.0	-0-
Cases		0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0
Pneumonia, all forms	107 - 109	47.3	40.0	40.1	41.9	36.0	37.7	34.8	36.9	30.9	32.8
Cases		184.6	156.4	143.7	150.4	112.3	88.2	78.3	57.8	60.7	58.8
Poliomyelitis	36	0.7	0.3	0.4	2.0	0.4	1.2	2.1	0.3	0.8	2.7
Cases		7.3	4.7	6.2	20.8	7.3	14.3	31.8	10.5	13.2	34.5
Rabies	38b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0-	-0-	0.0
Cases		0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0-	-0-	0.0
Rheumatic fever (acute)	58	1.7	1.3	1.0	1.0	0.9	0.9	0.8	0.6	0.5	0.4
Cases §		#	#	#	#	5.2	3.6	4.0	2.3	1.9	3.8
Rocky Mt. spotted fever	39c	0.1	0.1	0.0	0.0	0.0	-0-	0.0	0.0	0.0	0.0
Cases		0.2	0.2	0.3	0.2	0.2	0.2	0.5	0.4	0.2	0.2
Scarlet fever	8	0.8	0.5	0.4	0.3	0.4	0.3	0.1	0.0	-0-	0.0
Cases		263.3	145.8	98.1	92.0	153.7	136.3	79.7	49.4	54.0	47.3
Smallpox	6	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
Cases		2.1	1.3	0.8	0.9	0.2	0.2	0.1	0.0	-0-	-0-
Tetanus	12	0.4	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1
Cases		0.5	0.4	0.6	0.6	0.4	0.4	0.5	0.4	0.2	0.4
Tuberculosis	13 - 22	46.2	43.7	41.1	42.7	41.0	40.4	36.8	33.7	31.3	29.0
Cases		108.4	118.5	119.1	115.1	104.4	81.7	82.0	94.5	83.6	94.2
Typhoid fever	26a	0.3	0.1	0.0	0.0	0.1	0.1	0.1	-0-	0.0	-0-
Cases		3.4	1.3	0.8	0.7	1.2	1.7	1.2	1.5	0.7	0.9
Typhoid fever	1	0.4	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.0	-0-
Cases		3.9	3.5	2.9	1.6	1.3	1.1	1.3	1.7	1.1	1.2
Undulant fever	5	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	-0-
Cases		2.0	2.7	3.4	4.0	4.2	4.2	6.0	6.7	6.1	6.1
Whooping cough	9	0.8	1.1	1.2	1.3	0.6	0.7	0.4	0.5	0.3	0.3
Cases		81.1	97.0	148.8	98.2	41.9	53.2	67.6	58.3	26.4	46.7
NEREAL DISEASES											
Phonococcus infection	25	0.2	0.2	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1
Cases		218.6	242.3	260.7	248.2	295.9	351.2	472.8	398.9	344.1	296.8
Phyllis	30	12.8	12.0	10.6	11.2	11.0	10.3	9.3	8.2	7.1	7.3
Cases		278.0	295.6	362.8	377.7	329.8	280.7	295.2	235.5	203.7	164.6

1949 figures are provisional.

Intracranial lesions of vascular origin.

Amebiasis carriers, included in the dysentery group for 1945 to 1949.

The regulation requiring the reporting of cases of rheumatic fever in downstate Illinois only, went into effect July 1, 1943.

Not available.

TABLE I. - LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, 1949

(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,449,000	185,576	3,207	90,971	La Salle	103,051	2,350	35	1,096
Chicago	3,639,000	78,561	1,491	37,782	Lawrence	21,564	77	2	124
Downstate	4,810,000	107,015	1,716	53,189	Lee	36,061	699	11	467
Adams	68,436	1,578	32	942	Livingston	39,974	723	10	436
Alexander	26,707	727	20	313	Logan	30,447	593	7	380
Bond	14,828	13	--	97	McDonough	27,845	709	15	379
Boone	15,782	500	3	205	McHenry	39,237	781	11	474
Brown	8,055	29	--	74	McLean	77,615	1,960	31	955
Bureau	38,822	888	14	461	Macon	90,815	2,691	38	1,030
Calhoun	8,165	40	--	46	Macoupin	48,023	264	5	370
Carroll	18,543	342	8	155	Madison	164,147	4,095	67	1,696
Cass	17,030	364	5	169	Marion	50,080	1,197	17	498
Champaign	76,092	2,759	35	790	Marshall	13,537	8	1	100
Christian	40,217	964	14	399	Mason	15,815	42	--	92
Clark	18,978	68	3	159	Massac	15,266	182	2	183
Clay	19,422	175	2	96	Menard	10,911	32	--	54
Clinton	23,854	412	10	199	Mercer	18,165	19	--	90
Coles	40,524	1,105	14	461	Monroe	12,966	4	--	94
Cook	4,405,078	96,453	1,771	46,936	Montgomery	35,589	1,022	16	503
Crawford	21,842	426	12	243	Morgan	37,764	860	13	857
Cumberland	11,684	73	2	96	Moultrie	13,785	37	1	110
De Kalb	36,095	994	18	422	Ogle	30,923	403	2	265
De Witt	18,782	245	1	185	Peoria	165,096	5,233	91	2,037
Douglas	18,090	385	6	154	Perry	24,374	482	3	205
Du Page	112,001	2,192	34	1,105	Piatt	15,051	200	2	80
Edgar	25,089	451	3	296	Pike	25,610	342	3	246
Edwards	9,138	56	1	59	Pope	7,862	57	2	57
Effingham	22,798	635	15	253	Pulaski	16,213	127	5	149
Fayette	29,626	553	16	238	Putnam	5,374	1	--	30
Ford	15,532	242	6	132	Randolph	34,938	796	10	317
Franklin	55,808	703	12	410	Richland	17,663	630	8	241
Fulton	46,247	853	15	458	Rock Island	122,489	3,455	55	1,497
Gallatin	11,646	111	1	90	St. Clair	184,152	4,369	98	1,913
Greene	20,862	490	9	178	Saline	39,558	936	17	455
Grundy	19,222	346	6	157	Sangamon	125,570	3,501	56	1,662
Hamilton	13,390	220	4	116	Schuyler	11,480	121	--	79
Hancock	26,885	183	2	189	Scott	8,330	19	--	39
Hardin	7,912	149	8	61	Shelby	26,587	330	3	221
Henderson	9,122	12	--	48	Stark	9,079	3	1	36
Henry	45,675	1,038	14	479	Stephenson	42,468	1,241	23	527
Iroquois	33,249	560	6	280	Tazewell	62,742	1,005	12	447
Jackson	39,602	1,056	23	397	Union	22,011	433	8	474
Jasper	13,392	83	--	71	Vermilion	91,560	2,103	32	1,102
Jefferson	35,703	1,003	14	416	Wabash	14,239	145	2	125
Jersey	14,106	52	2	110	Warren	22,033	585	12	282
Jo Daviess	20,509	36	1	168	Washington	15,926	30	--	93
Johnson	10,679	105	--	76	Wayne	22,265	200	1	154
Kane	139,419	5,039	77	2,276	White	20,565	204	6	151
Kankakee	64,740	1,558	25	1,503	Whiteside	45,893	1,177	15	412
Kendall	11,371	2	--	45	Will	121,849	2,816	46	1,286
Knox	55,015	1,238	14	612	Williamson	53,844	830	10	597
Lake	133,873	4,257	64	1,513	Winnebago	131,244	3,671	60	1,326
					Woodford	19,718	23	--	140

\* Estimated population as of July 1, 1949.



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TABLE II. - ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, 1949

(All registrations within the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	90,971	3,772	5,085	5,889	727	1,392	7,183	27,611	48,154	4,039
SELECTED CAUSES OF DEATH	86,853	3,717	4,893	5,523	621	1,254	6,559	26,357	46,529	3,823
Diseases of infancy, total	4,038	3,473	3,849	3,928	21	18	42	22	6	63
Premature birth	1,864	1,843	1,864	1,864	xxx	xxx	xxx	xxx	xxx	25
Maternal causes, total	144	xxx	xxx	xxx	--	33	110	1	xxx	2
Puerperal septicemia	47	xxx	xxx	xxx	--	13	34	--	xxx	1
Puerperal toxemia	40	xxx	xxx	xxx	--	10	30	--	xxx	1
Communicable diseases, total	6,413	163	602	815	170	275	1,097	2,017	2,038	609
Acute respiratory diseases, total	2,849	159	536	646	41	32	209	600	1,320	91
Influenza	77	--	7	15	1	2	9	12	38	--
Pneumonia	2,772	159	529	631	40	30	200	588	1,282	91
Diphtheria	4	--	1	3	--	--	--	1	--	1
Dysentery—all forms	19	--	1	1	1	--	6	8	3	--
Encephalitis—infectious	20	--	1	1	--	--	5	10	4	--
Measles	7	--	2	4	1	1	--	1	--	--
Meningitis—meningococcus	49	--	10	26	7	1	3	8	4	--
Pertussis (whooping cough)	25	--	20	24	--	--	1	--	--	--
Poliomyelitis	232	--	5	29	78	57	63	5	--	15
Rheumatic fever	35	--	--	2	11	5	7	6	4	1
Scarlet fever	2	--	--	--	2	--	--	--	--	--
Syphilis	620	2	2	2	--	3	58	356	201	30
Tuberculosis—all forms	2,452	2	13	51	23	172	726	989	481	467
Pulmonary tuberculosis	2,272	2	5	16	9	155	692	946	454	458
Other communicable diseases	99	--	11	16	6	4	19	33	21	4
Accidents—all forms, total	5,250	24	131	308	251	493	973	1,246	1,970	490
Motor vehicle	1,755	--	7	64	103	320	463	451	354	292
Home	1,814	12	103	192	49	34	141	267	1,131	34
Occupational	408	xxx	xxx	xxx	3	34	139	180	53	45
Public	1,273	12	21	52	96	110	231	348	432	119
Arteriosclerosis	1,500	xxx	xxx	xxx	--	--	4	145	1,351	71
Cancer	13,940	1	4	34	44	66	1,071	5,728	6,997	742
Diabetes	2,891	--	3	7	6	22	89	1,033	1,734	78
Diseases of digestive system, total	3,979	52	284	369	58	46	474	1,551	1,481	186
Appendicitis	252	1	1	14	21	10	48	92	67	6
Cirrhosis of the liver	1,233	2	7	13	2	5	205	614	394	84
Diarrhea and enteritis	338	42	230	255	7	6	18	22	30	8
Hernia and intestinal obstruction	639	3	22	31	12	5	52	191	348	17
Ulcers of stomach or duodenum	661	2	8	10	2	2	65	315	267	29
Goiter—exophthalmic	164	--	--	--	--	3	13	87	61	6
Heart disease, total	34,739	3	8	21	44	127	1,637	10,807	22,100	1,111
Coronary	9,609	--	1	1	--	15	529	4,166	4,897	276
Chronic rheumatic	1,548	--	--	3	28	48	294	572	603	72
Homicide	401	1	2	7	3	58	233	87	13	13
Intracranial lesions of vascular origin	7,107	--	9	20	8	11	250	1,931	4,886	202
Nephritis	4,814	--	1	14	12	55	300	1,195	3,238	191
Prostatic disease	484	--	--	--	--	--	--	69	415	19
Suicide	989	xxx	xxx	xxx	4	42	266	438	239	40
ALL OTHER KNOWN CAUSES	4,027	54	189	357	104	127	603	1,228	1,606	200
CAUSE AS YET UNASSIGNED	91	1	3	9	2	11	21	26	19	16

\* Age not reported for 15 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. - DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	51,857	2,178	2,969	3,389	353	738	4,706	18,260	24,407	3,767
SELECTED CAUSES OF DEATH	49,849	2,153	2,869	3,199	303	659	4,341	17,552	23,792	3,576
Diseases of infancy, total	2,341	2,003	2,235	2,283	8	10	25	11	4	152
Premature birth	1,101	1,088	1,101	1,101	xxx	xxx	xxx	xxx	xxx	67
Maternal causes, total	74	xxx	xxx	xxx	--	18	56	--	xxx	3
Puerperal septicemia	24	xxx	xxx	xxx	--	7	17	--	xxx	--
Puerperal toxemia	18	xxx	xxx	xxx	--	4	14	--	xxx	2
Communicable diseases, total	4,027	110	377	497	84	181	796	1,397	1,072	283
Acute respiratory diseases, total	1,764	108	340	399	19	19	140	451	736	130
Influenza	21	--	2	3	--	2	4	5	7	1
Pneumonia	1,743	108	338	396	19	17	136	446	729	129
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	13	--	--	--	1	--	5	6	1	--
Encephalitis—infectious	10	--	--	--	--	--	1	6	3	1
Measles	2	--	--	1	1	--	--	--	--	--
Meningitis—meningococcus	31	--	6	17	5	--	2	6	1	1
Pertussis (whooping cough)	18	--	15	17	--	--	1	--	--	--
Poliomyelitis	79	--	1	5	27	20	24	3	--	10
Rheumatic fever	21	--	--	1	6	3	6	4	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	289	1	1	1	--	1	27	180	80	51
Tuberculosis—all forms	1,753	1	10	51	22	136	578	721	245	84
Pulmonary tuberculosis	1,615	1	4	15	9	123	550	688	230	76
Other communicable diseases	47	--	4	5	3	2	12	20	5	4
Accidents—all forms, total	2,438	6	63	141	112	179	475	695	936	209
Motor vehicle	750	--	2	24	39	102	195	211	179	85
Home	871	6	58	108	26	24	94	178	441	77
Occupational	177	xxx	xxx	xxx	1	12	59	84	21	18
Public	640	--	3	9	46	41	127	222	195	29
Arteriosclerosis	635	xxx	xxx	xxx	--	--	3	78	554	136
Cancer	8,479	1	3	22	24	37	712	3,844	3,840	477
Diabetes	1,738	--	1	2	3	15	57	708	953	114
Diseases of digestive system, total	2,473	30	174	213	23	20	331	1,080	806	140
Appendicitis	129	--	--	5	9	2	28	57	28	11
Cirrhosis of the liver	870	--	5	9	1	4	164	459	233	31
Diarrhea and enteritis	193	24	147	157	1	2	11	9	13	7
Hernia and intestinal obstruction	345	2	9	11	6	2	30	117	179	26
Ulcers of stomach or duodenum	427	2	6	8	--	2	43	212	162	32
Goiter—exophthalmic	96	--	--	--	--	2	7	56	31	10
Heart disease, total	20,437	2	6	16	33	88	1,176	7,290	11,731	1,577
Coronary	4,847	--	1	1	--	11	340	2,413	2,081	334
Chronic rheumatic	863	--	--	2	22	33	200	374	232	64
Homicide	308	1	2	4	3	44	189	58	10	6
Intracranial lesions of vascular origin	3,486	--	7	13	4	6	168	1,170	2,125	249
Nephritis	2,540	--	1	8	6	34	201	772	1,519	168
Prostatic disease	251	--	--	--	--	--	--	49	202	11
Suicide	526	xxx	xxx	xxx	3	25	145	244	109	41
ALL OTHER KNOWN CAUSES	1,967	24	98	186	50	73	355	693	609	183
CAUSE AS YET UNASSIGNED	41	1	2	4	--	6	10	15	6	8

\* Age not reported for 4 deaths.

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.  
Counties: Cook, Du Page, Kane, Lake and Will.



1949 Series, NO.4

TABLE IV. - DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	9,679	377	502	603	104	137	628	2,393	5,812	4,443
SELECTED CAUSES OF DEATH	3,142	369	476	554	80	125	542	2,267	5,572	4,169
Diseases of infancy, total	423	354	395	409	5	2	5	2	--	193
Premature birth	157	154	157	157	--	--	--	--	--	62
Maternal causes, total	15	--	--	--	--	2	13	--	--	8
Puerperal septicemia	7	--	--	--	--	2	5	--	--	5
Puerperal toxemia	3	--	--	--	--	--	3	--	--	1
Communicable diseases, total	674	10	50	73	21	26	100	197	257	396
Acute respiratory diseases, total	303	10	45	57	11	4	29	45	156	168
Influenza	17	--	3	8	1	--	2	--	6	12
Pneumonia	286	10	42	49	10	4	27	45	150	156
Diphtheria	2	--	--	1	--	--	--	1	--	--
Dysentery—all forms	1	--	--	--	--	--	1	--	--	1
Encephalitis—infectious	3	--	--	--	--	--	1	2	--	3
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	4	--	1	1	1	--	--	1	1	3
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	24	--	--	3	7	6	8	--	--	14
Rheumatic fever	1	--	--	--	--	--	--	1	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	116	--	--	--	--	1	16	63	36	77
Tuberculosis—all forms	201	--	--	3	--	15	43	79	61	121
Pulmonary tuberculosis	190	--	--	--	--	15	41	76	58	116
Other communicable diseases	18	--	3	7	1	--	2	5	3	8
Accidents—all forms, total	589	--	3	27	35	60	34	109	274	304
Motor vehicle	186	--	--	6	18	44	45	44	29	98
Home	231	--	8	11	4	2	8	30	173	117
Occupational	38	--	--	--	--	5	13	12	8	19
Public	134	--	--	7	13	9	18	24	64	70
Arteriosclerosis	214	--	--	--	--	--	--	17	197	97
Cancer	1,362	--	1	3	2	8	101	475	773	555
Diabetes	315	--	--	1	--	2	14	96	202	128
Diseases of digestive system, total	399	5	21	39	13	8	32	140	173	153
Appendicitis	39	--	--	2	5	4	3	12	13	17
Cirrhosis of the liver	102	--	--	--	--	--	10	49	43	34
Diarrhea and enteritis	32	5	16	21	1	1	2	6	1	19
Hernia and intestinal obstruction	73	--	3	5	2	1	4	19	42	30
Ulcers of stomach or duodenum	66	--	--	--	1	--	6	28	31	24
Goiter—exophthalmic	22	--	--	--	--	1	3	9	9	12
Heart disease, total	3,640	--	--	3	2	4	118	873	2,635	1,700
Coronary	1,277	--	--	--	--	--	52	466	759	528
Chronic rheumatic	162	--	--	1	1	1	27	49	83	68
Homicide	9	--	--	--	--	1	5	2	1	1
Intracranial lesions of vascular origin	865	--	1	4	1	--	21	188	650	358
Nephritis	457	--	--	1	1	7	22	103	323	199
Prostatic disease	47	--	--	--	--	--	--	5	42	17
Suicide	111	--	--	--	1	4	24	46	36	51
ALL OTHER KNOWN CAUSES	528	8	25	47	23	12	85	124	237	267
CAUSE AS YET UNASSIGNED	9	--	1	2	1	--	1	2	3	7

\* Age not reported for 2 deaths.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. - DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,361	127	161	177	23	31	177	571	1,381	918
SELECTED CAUSES OF DEATH	2,231	124	153	163	17	31	166	531	1,322	860
Diseases of infancy, total	129	118	123	124	--	1	2	1	1	46
Premature birth	62	62	62	62	xxx	xxx	xxx	xxx	xxx	25
Maternal causes, total	5	xxx	xxx	xxx	--	--	5	--	--	3
Puerperal septicemia	3	xxx	xxx	xxx	--	--	3	--	--	2
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	--	1
Communicable diseases, total	190	3	16	19	3	6	21	51	90	97
Acute respiratory diseases, total	99	3	14	16	--	2	6	14	61	51
Influenza	1	--	--	--	--	--	--	1	--	--
Pneumonia	98	3	14	16	--	2	6	13	61	51
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	1	--	--	--	--	--	--	1	--	1
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	9	--	1	2	2	3	2	--	--	5
Rheumatic fever	1	--	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	28	--	--	--	--	--	2	16	10	16
Tuberculosis—all forms	50	--	--	--	--	1	11	20	18	24
Pulmonary tuberculosis	49	--	--	--	--	1	10	20	18	24
Other communicable diseases	2	--	1	1	--	--	--	--	1	--
Accidents—all forms, total	178	1	6	11	9	16	43	21	77	82
Motor vehicle	59	--	2	3	5	10	22	10	9	25
Home	80	1	4	8	2	2	7	8	53	47
Occupational	10	xxx	xxx	xxx	--	--	6	2	2	2
Public	29	--	--	--	2	4	8	1	13	8
Arteriosclerosis	87	xxx	xxx	xxx	--	--	--	4	83	74
Cancer	336	--	--	--	3	1	27	108	197	105
Diabetes	65	--	1	1	--	--	1	18	45	18
Diseases of digestive system, total	99	2	7	8	1	1	11	36	42	30
Appendicitis	8	--	--	1	--	--	3	2	2	4
Cirrhosis of the liver	30	1	1	1	1	--	2	17	9	9
Diarrhea and enteritis	5	1	4	4	--	--	--	--	1	1
Hernia and intestinal obstruction	13	--	1	1	--	1	--	2	9	2
Ulcers of stomach or duodenum	21	--	1	1	--	--	1	10	9	8
Goiter—exophthalmic	5	--	--	--	--	--	1	2	2	3
Heart disease, total	795	--	--	--	1	2	27	209	556	272
Coronary	287	--	--	--	--	--	9	107	171	100
Chronic rheumatic	73	--	--	--	1	1	7	28	36	17
Homicide	9	--	--	--	--	1	4	4	--	--
Intracranial lesions of vascular origin	165	--	--	--	--	1	5	33	126	70
Nephritis	126	--	--	--	--	1	9	29	87	45
Prostatic disease	8	--	--	--	--	--	--	1	7	2
Suicide	34	xxx	xxx	xxx	--	1	10	14	9	13
ALL OTHER KNOWN CAUSES	127	3	8	13	5	--	11	40	58	57
CAUSE AS YET UNASSIGNED	3	--	--	1	1	--	--	--	1	1

\* Age not reported for 1 death.

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.  
Counties: Peoria and Tazewell.



TABLE VI. - DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	14,959	571	761	897	122	226	743	3,289	9,680	7,459
SELECTED CAUSES OF DEATH	14,167	561	730	836	109	202	663	3,070	9,286	7,047
Diseases of infancy, total	623	533	595	604	5	5	3	4	1	307
Premature birth	295	292	295	295	--	--	--	--	--	141
Maternal causes, total	22	--	--	--	--	5	17	--	--	12
Puerperal septicemia	6	--	--	--	--	2	4	--	--	5
Puerperal toxemia	9	--	--	--	--	2	7	--	--	3
Communicable diseases, total	759	17	78	111	28	30	80	176	334	361
Acute respiratory diseases, total	364	16	68	90	5	3	13	42	211	187
Influenza	14	--	1	2	--	--	1	2	9	11
Pneumonia	350	16	67	88	5	3	12	40	202	176
Diphtheria	1	--	1	1	--	--	--	--	--	1
Dysentery—all forms	1	--	--	--	--	--	--	--	1	1
Encephalitis—infectious	4	--	--	--	--	--	2	1	1	1
Measles	2	--	1	1	--	1	--	--	--	1
Meningitis—meningococcus	6	--	2	3	--	--	1	1	1	6
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	65	--	2	12	19	18	16	--	--	30
Rheumatic fever	4	--	--	--	2	--	1	--	1	3
Scarlet fever	2	--	--	--	2	--	--	--	--	1
Syphilis	97	1	1	1	--	1	1	54	40	39
Tuberculosis—all forms	196	--	1	1	--	7	42	74	72	83
Pulmonary tuberculosis	184	--	--	--	--	6	41	69	68	79
Other communicable diseases	16	--	1	1	--	--	4	4	7	7
Accidents—all forms, total	1,007	6	24	62	47	105	141	175	477	507
Motor vehicle	347	--	2	17	23	77	78	74	78	182
Home	399	3	16	27	14	3	17	28	310	174
Occupational	83	--	--	--	2	10	17	40	14	49
Public	178	3	6	18	8	15	29	33	75	102
Arteriosclerosis	240	--	--	--	--	--	1	11	228	131
Cancer	2,156	--	--	4	6	13	126	721	1,286	1,005
Diabetes	445	--	1	2	1	2	8	116	316	229
Diseases of digestive system, total	551	5	31	46	14	12	46	157	276	282
Appendicitis	41	1	1	2	6	3	4	12	14	25
Cirrhosis of the liver	129	--	--	2	--	1	12	49	65	47
Diarrhea and enteritis	42	4	24	27	3	2	1	5	4	23
Hernia and intestinal obstruction	128	--	2	5	3	1	8	32	79	72
Ulcers of stomach or duodenum	75	--	--	--	--	--	7	30	38	36
Goiter—exophthalmic	28	--	--	--	--	--	1	14	13	13
Heart disease, total	5,568	--	--	--	4	13	133	1,191	4,227	2,786
Coronary	1,926	--	--	--	--	3	64	646	1,213	947
Chronic rheumatic	254	--	--	--	3	1	26	66	158	135
Homicide	20	--	--	--	--	2	12	6	--	7
Intracranial lesions of vascular origin	1,515	--	1	3	1	2	25	276	1,208	751
Nephritis	938	--	--	4	3	8	30	134	759	505
Prostatic disease	105	--	--	--	--	--	--	7	98	60
Suicide	190	--	--	--	--	5	40	82	63	104
ALL OTHER KNOWN CAUSES	778	10	31	61	13	23	75	217	388	391
CAUSE AS YET UNASSIGNED	14	--	--	--	--	1	5	2	6	8

\* Age not reported for 2 deaths.

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII. - DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,385	172	213	246	25	58	243	914	1,899	1,270
SELECTED CAUSES OF DEATH	3,213	169	203	234	22	50	221	864	1,822	1,213
Diseases of infancy, total	173	158	169	172	--	--	--	1	--	62
Premature birth	86	85	86	86	xxx	xxx	xxx	xxx	xxx	36
Maternal causes, total	5	xxx	xxx	xxx	--	--	4	1	xxx	2
Puerperal septicemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	xxx	1
Communicable diseases, total	209	6	14	21	2	10	30	63	83	82
Acute respiratory diseases, total	92	6	14	19	1	2	6	18	46	36
Influenza	6	--	--	--	--	--	1	1	4	1
Pneumonia	86	6	14	19	1	2	5	17	42	35
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	1	--	--	1	--	--	--	--	--	1
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	8	--	--	--	1	3	3	1	--	1
Rheumatic fever	2	--	--	1	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	32	--	--	--	--	--	5	13	14	19
Tuberculosis—all forms	73	--	--	--	--	4	16	30	23	25
Pulmonary tuberculosis	71	--	--	--	--	4	15	29	23	25
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	252	1	7	18	13	22	42	65	92	107
Motor vehicle	85	--	--	1	4	15	24	27	14	30
Home	98	1	7	17	--	1	5	13	62	45
Occupational	25	xxx	xxx	xxx	--	3	7	12	3	12
Public	44	--	--	--	9	3	6	13	13	20
Arteriosclerosis	65	xxx	xxx	xxx	--	--	--	9	56	39
Cancer	430	--	--	2	2	1	25	161	239	161
Diabetes	107	--	--	--	--	2	2	27	76	32
Diseases of digestive system, total	133	4	13	17	3	--	19	40	54	49
Appendicitis	6	--	--	2	1	--	--	3	--	3
Cirrhosis of the liver	44	1	1	1	--	--	9	14	20	12
Diarrhea and enteritis	13	2	7	8	1	--	2	--	2	6
Hernia and intestinal obstruction	22	1	4	4	--	--	5	5	8	10
Ulcers of stomach or duodenum	19	--	--	--	--	--	1	10	8	9
Goiter—exophthalmic	4	--	--	--	--	--	--	1	3	2
Heart disease, total	1,253	--	--	--	2	8	50	354	839	471
Coronary	290	--	--	--	--	--	21	140	129	91
Chronic rheumatic	50	--	--	--	--	6	10	17	17	9
Homicide	25	--	--	3	--	5	10	7	--	7
Intracranial lesions of vascular origin	308	--	--	--	--	1	14	71	222	111
Nephritis	193	--	--	1	--	1	12	45	134	71
Prostatic disease	22	--	--	--	--	--	--	4	18	7
Suicide	34	xxx	xxx	xxx	--	--	13	15	6	10
ALL OTHER KNOWN CAUSES	160	3	10	11	3	6	19	46	75	53
CAUSE AS YET UNASSIGNED	12	--	--	1	--	2	3	4	2	4

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.  
Counties: Madison and St. Clair.



TABLE VIII. - DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,074	294	401	472	83	127	424	1,588	4,378	4,396
SELECTED CAUSES OF DEATH	6,705	290	391	450	78	116	394	1,510	4,155	4,163
Diseases of infancy, total	282	260	278	279	--	--	1	2	--	164
Premature birth	136	134	136	136	xxx	xxx	xxx	xxx	xxx	76
Maternal causes, total	20	xxx	xxx	xxx	--	6	14	--	xxx	14
Puerperal septicemia	4	xxx	xxx	xxx	--	2	2	--	xxx	1
Puerperal toxemia	6	xxx	xxx	xxx	--	2	4	--	xxx	5
Communicable diseases, total	473	14	60	81	30	17	53	105	187	320
Acute respiratory diseases, total	197	13	48	55	5	2	11	24	100	127
Influenza	18	--	1	2	--	--	1	3	12	12
Pneumonia	179	13	47	53	5	2	10	21	88	115
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	3	--	1	1	--	--	--	1	1	2
Encephalitis—infectious	2	--	1	1	--	--	1	--	--	2
Measles	3	--	1	2	--	--	--	1	--	2
Meningitis—meningococcus	7	--	1	4	1	1	--	--	1	7
Pertussis (whooping cough)	5	--	3	5	--	--	--	--	--	3
Poliomyelitis	42	--	1	7	21	5	8	1	--	32
Rheumatic fever	4	--	--	--	1	1	--	1	1	4
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	48	--	--	--	--	--	7	23	18	34
Tuberculosis—all forms	148	1	2	4	1	6	25	51	61	97
Pulmonary tuberculosis	135	1	1	1	--	4	24	50	56	91
Other communicable diseases	14	--	2	2	1	2	1	3	5	10
Accidents—all forms, total	511	10	22	43	30	67	96	103	170	305
Motor vehicle	160	--	1	9	12	38	38	38	25	99
Home	118	1	9	16	3	2	8	10	79	72
Occupational	50	xxx	xxx	xxx	--	2	25	19	4	27
Public	183	9	12	18	15	25	25	36	62	107
Arteriosclerosis	249	xxx	xxx	xxx	--	--	--	24	225	211
Cancer	900	--	--	3	7	2	53	279	556	529
Diabetes	179	--	--	1	2	1	5	53	117	111
Diseases of digestive system, total	253	5	29	41	4	4	21	62	121	160
Appendicitis	23	--	--	2	--	1	7	4	9	15
Cirrhosis of the liver	42	--	--	--	--	--	2	16	24	27
Diarrhea and enteritis	42	5	26	31	1	--	1	1	8	27
Hernia and intestinal obstruction	46	--	2	3	1	--	4	10	28	33
Ulcers of stomach or duodenum	40	--	--	--	1	--	5	16	18	21
Goiter—exophthalmic	6	--	--	--	--	--	1	4	1	4
Heart disease, total	2,513	1	2	2	2	8	84	582	1,835	1,520
Coronary	771	--	--	--	--	1	28	297	445	445
Chronic rheumatic	121	--	--	--	1	5	16	30	69	74
Homicide	22	--	--	--	--	3	8	9	2	6
Intracranial lesions of vascular origin	677	--	--	--	1	1	12	158	505	438
Nephritis	501	--	--	--	2	3	19	95	382	316
Prostatic disease	44	--	--	--	--	--	--	3	41	25
Suicide	75	xxx	xxx	xxx	--	4	27	31	13	46
ALL OTHER KNOWN CAUSES	363	4	10	21	5	9	30	76	222	229
CAUSE AS YET UNASSIGNED	6	--	--	1	--	2	--	2	1	6

\* Age not reported for 2 deaths.

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

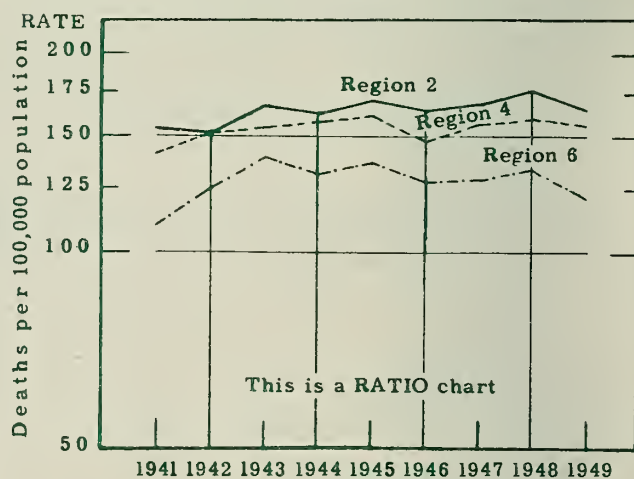
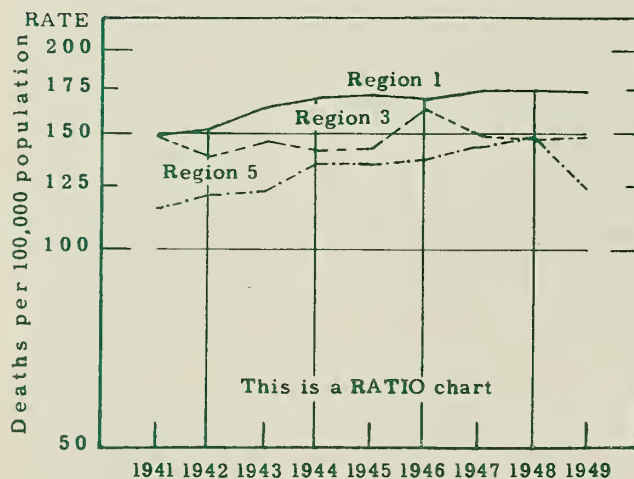
Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

## REGION MORTALITY continued

available, it will not be possible to measure the "true" difference in cancer and other mortality for the various regions of the State. The varia-

tion in the composition of the population in each region (age, race, number of foreign born etc.) could very easily account for much, if not all, of the differences shown in the graphs in this publication.

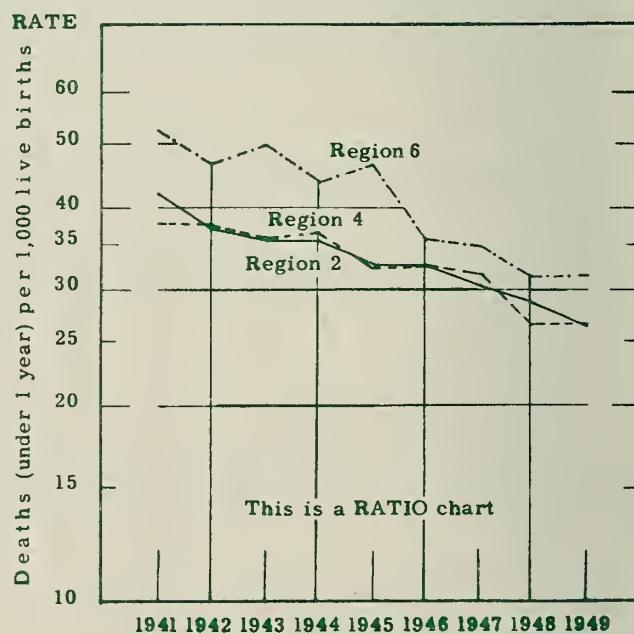
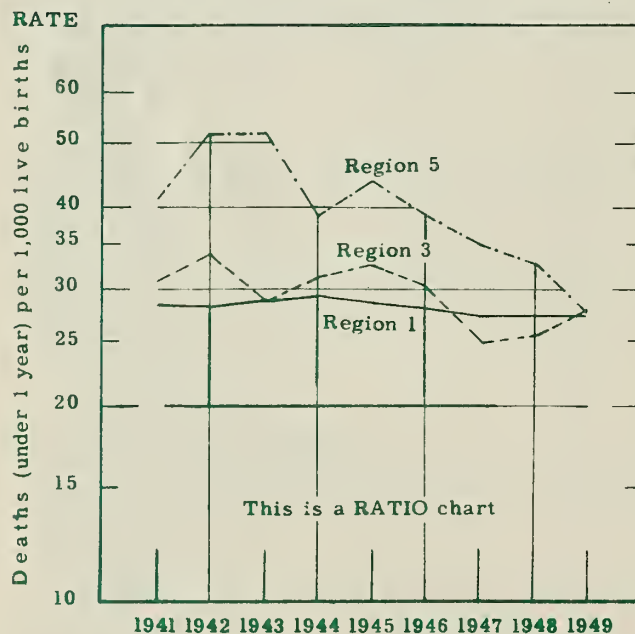
### CANCER MORTALITY BY REGION OF RESIDENCE: ILLINOIS, 1941-1949



The outstanding feature of the graph of infant mortality in each region is the more rapid decline of the mortality experience for the southern part of the State (Regions 5 and 6) as compared to the rest of the State. Region 6 (South-

ern Area) still has a relatively high infant mortality rate. However, the large differences between the southern part of Illinois and the rest of the State that existed in the early 1940's is no longer present in 1949.

### INFANT MORTALITY BY REGION OF RESIDENCE: ILLINOIS, 1941-1949



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1950 Series, Nos. 1 - 4

Springfield, Illinois

November 1, 1951

## THE PEOPLE AND THEIR HEALTH IN 1950

All the usual measurements of the people's health in 1950 showed a continuance of the basic good health that has characterized the past decade. While we know that the general picture has been good we are only now coming to the point where we can evaluate how much or how little progress this represents. This inability to evaluate arises from the fact that, while we know who have been dying and something about those who have been sick from the notifiable diseases, we have known almost nothing about the characteristics of the living. We have had only uncertain estimates of how many people there are in the State as a whole. We have known next to nothing about their ages and the composition of the communities in which they live. The decennial census of population taken on April 1, 1950, will fill that gap in our knowledge. As yet, only preliminary information from the census enumeration is available, but what there is shows the profound changes that have taken place since 1940.

The most apparent change has been the shift of population to the metropolitan areas. The greatest increase has taken place in the mushrooming large city suburbs. At the same time, rural areas have for the most part been losing population and at best have just maintained their 1940 population. A more subtle change has been going on at the same time. This concerns the characteristics of the population, particularly with respect to age. Table 1 shows what changes there have been since 1940 in the composition of our population.

We have just begun to notice a diminution in the number of people entering the labor force taking place in spite of large increases in total population. This is the result of the small "crops" of babies during the late 'twenties and throughout the 'thirties. This condition will persist for about ten more years until the children born in the 'forties begin to attain maturity. This situation places us under a strong challenge to protect the young labor force against death, injury, and disabling disease as never before.

One out of every four persons was in the age bracket ten to twenty four years old in 1940 but in 1950 only one in five is in that bracket. On the other hand, 14 per cent of the population in 1940 were under ten, but in 1950 these youngsters make up over 17 per cent of all our people.

Table 1. -- POPULATION BY AGE AND SEX: ILLINOIS, 1940 AND 1950

Sex-Age	POPULATION		PERCENT CHANGE 1940-1950	PERCENT OF TOTAL POP.	
	1950	1940		1950	1940
<b>TOTAL</b>	8,712,000	7,897,241	10.3	100.0	100.0
Under 5 years	863,000	546,962	57.8	9.9	6.9
5 - 9	653,000	542,759	20.3	7.5	6.9
10 - 14	572,000	618,280	-7.5	6.6	7.8
15 - 24	1,172,000	1,360,838	-13.9	13.5	17.2
25 - 34	1,459,000	1,326,732	10.0	16.7	16.8
35 - 44	1,285,000	1,192,702	7.7	14.7	15.1
45 - 64	1,957,000	1,741,005	12.4	22.5	22.1
65 and over	751,000	567,963	32.2	8.6	7.2
<b>MALE</b>	4,256,000	3,957,149	7.6	100.0	100.0
Under 5 years	424,000	278,293	52.7	10.0	7.0
5 - 9	345,000	276,962	24.9	8.1	7.0
10 - 14	294,000	313,031	-6.1	6.9	7.9
15 - 24	577,000	673,642	-14.5	13.6	17.0
25 - 34	715,000	647,566	10.4	16.8	16.4
35 - 44	605,000	595,384	1.6	14.2	15.1
45 - 64	950,000	898,737	5.7	22.3	22.7
65 and over	346,000	273,534	26.5	8.1	6.9
<b>FEMALE</b>	4,456,000	3,940,092	13.1	100.0	100.0
Under 5 years	439,000	268,669	63.4	9.8	6.8
5 - 9	308,000	265,797	15.9	6.9	6.7
10 - 14	278,000	305,249	-8.9	6.2	7.8
15 - 24	595,000	687,196	-13.4	13.4	17.4
25 - 34	744,000	679,166	9.5	16.7	17.2
35 - 44	680,000	597,318	13.8	15.3	15.2
45 - 64	1,007,000	842,268	19.6	22.6	21.4
65 and over	405,000	294,429	37.6	9.1	7.5

This situation makes the recent history of our birth rates particularly significant. Chart A shows the general picture of how births occurred over the past eleven years. To give a clue as to the influential factors in our changing birth rates, specific rates are used in Charts B, C, and D. Specific birth rates for broad age groups have



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been computed by dividing the total resident births born to mothers in a specific age range by the total number of females of the same age in the population. Chart D pictures the difference between the age specific 1940 rates and the average of 1949-1950 rates, for three age groups. The large increase in the specific rate for mothers aged fifteen to twenty-four has tended to keep the percentage distribution of births, as

classified by the age of the mother, fairly stable, even though the number of females in this younger age group has actually decreased.

Some changes between 1940 and 1949 are noticeable in the percentage distribution of the birth order. Actually, two divergent trends are at work, in that the percentage of first children is generally lower in 1949 than in 1940; however, second and third order percentages for all age

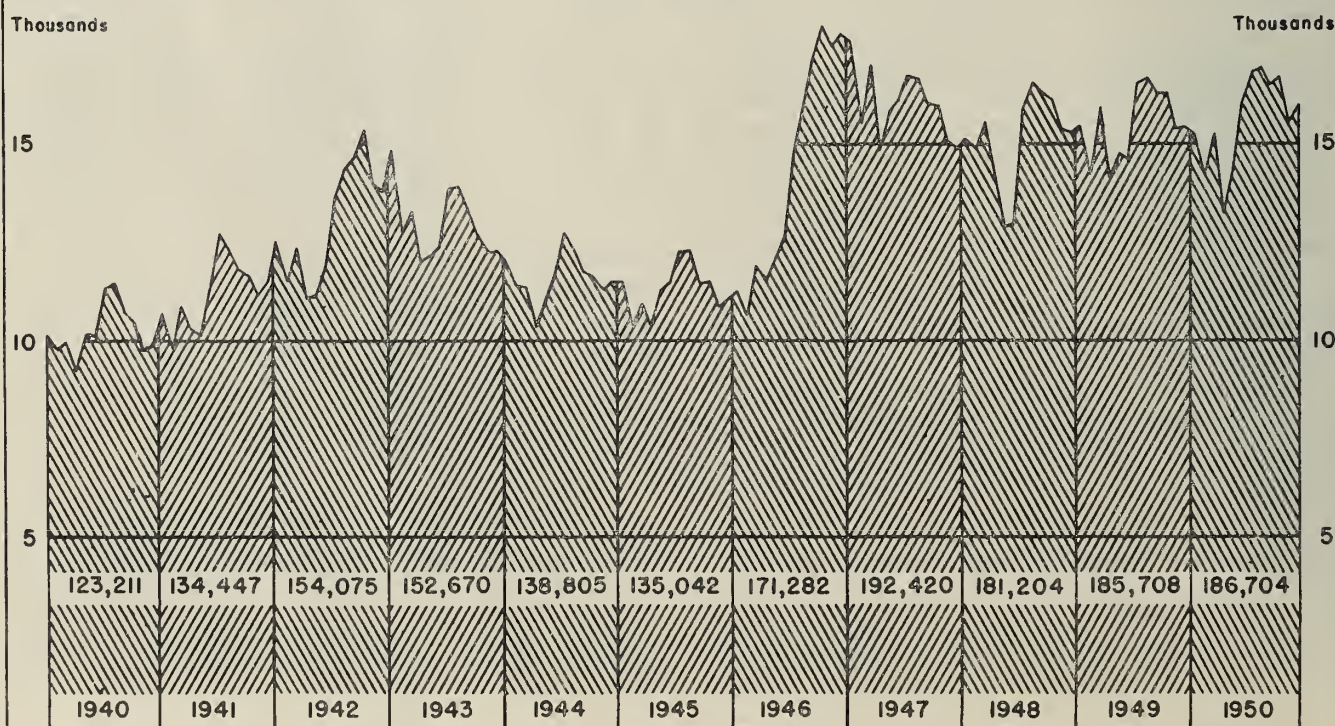
Table 2. -- PERCENT OF BIRTHS, BY AGE OF MOTHERS:  
ILLINOIS, 1940, 1949, AND 1950

(Based on total resident births to mothers aged 15-44. Age classified two ways:  
by 5 year groups, and by 10 year groups)

YEAR	AGE OF MOTHER					
	15-19	20-24	25-29	30-34	35-39	40-44
1940	9.8	30.9	30.1	18.3	8.5	2.3
1949	9.6	32.4	30.2	17.6	8.2	1.9
1950	9.3	31.7	30.5	18.2	8.4	1.9
	15 - 24		25 - 34		35 - 44	
1940	40.7		48.4		10.8	
1949	42.0		47.8		10.1	
1950	41.0		48.7		10.3	

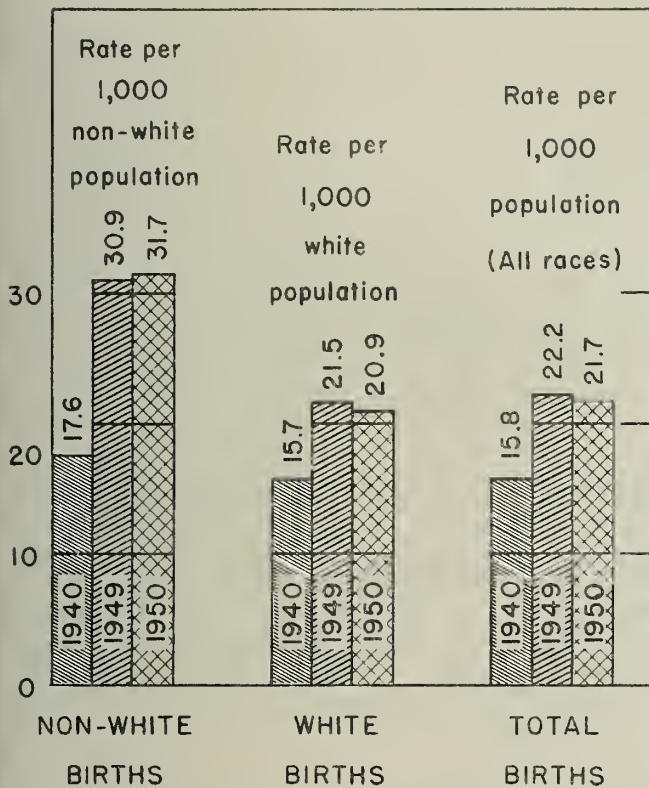
groups, and fourth order for the older age groups, have all increased over 1940. The percentage occurrence of fifth or higher order children has decreased during the past ten years for all age

CHART A  
LIVE BIRTHS OCCURRING EACH MONTH AND EACH YEAR  
1940-1950





**CHART B**  
**RESIDENT LIVE BIRTH RATES**

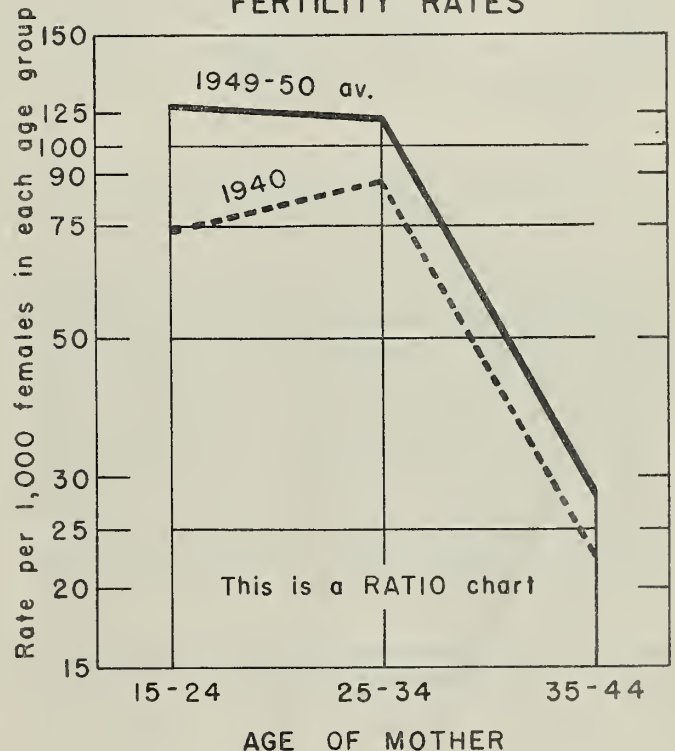


groups. These changes are indicated in Table 3. Families are more likely to have two to four children at the present time, rather than only one child as during the depression years, or six to ten children, as was once both fashionable and economically feasible.

A highly significant fact is that the average age of our population has been on the increase. In 1940, half of Illinois' population was under 31.6 years old, while in 1950 half of our people are over 32.5 years. This is almost entirely due to the increasing life span, because the percentage of persons 25 years and over in the total

population did not significantly change between 1940 and 1950. (In 1940, 61.2 per cent of the population was aged 25 years or more, in 1950, 67.5 per cent. The principal increase in our mature population has come at ages 65 and over. See Table 1). The number of those over 65 in 1950 stands 32.2 per cent above the 1940 figure while the gain in total population was only 10.3 per cent.

**CHART D**  
**FERTILITY RATES**



An interesting change which is taking place is the increase in females over males. In 1940 there were 100.4 males for every 100 females, while in 1950 there are only 95.5 males per 100 females.

**CHART C**  
**FERTILITY RATES**

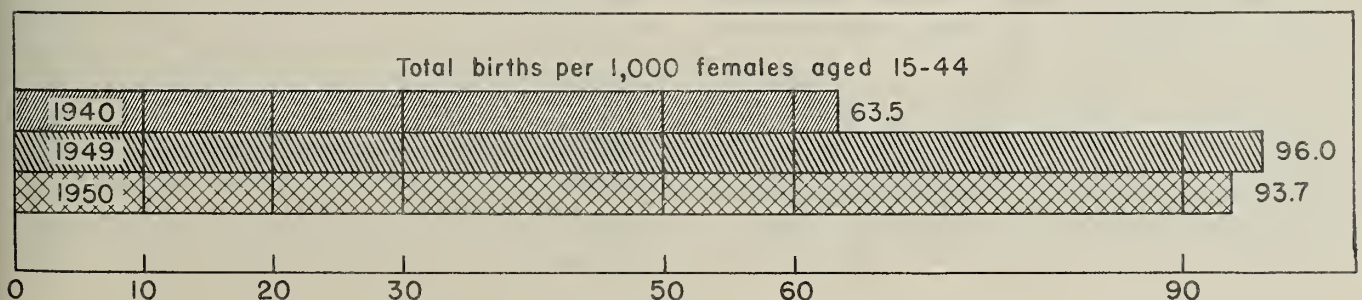


Table 3. -- PERCENT DISTRIBUTION OF RESIDENT BIRTHS BY ORDER OF BIRTH: ILLINOIS, 1940 AND 1949

(Computed using births to mothers aged 15-44 only)

Order of birth	A G E O F M O T H E R													
	All Ages		15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 - 44	
	1949	1940	1949	1940	1949	1940	1949	1940	1949	1940	1949	1940	1949	1940
First	38.6	42.1	79.1	78.1	52.1	54.5	30.4	38.8	19.7	24.3	15.5	13.8	12.4	7.3
Second	32.7	27.6	18.4	18.5	34.1	29.4	38.9	31.4	32.4	29.3	24.9	19.0	18.6	9.1
Third	15.5	13.1	2.4	2.9	10.2	10.9	18.6	15.1	23.8	17.9	22.2	16.4	16.5	12.0
Fourth	6.6	6.8	0.1	0.4	2.8	3.7	7.1	7.4	11.9	10.7	14.7	13.5	13.4	12.0
Fifth	3.0	3.8	0.0	0.1	0.7	1.1	3.0	4.0	5.6	6.4	8.2	9.6	10.6	10.9
Sixth	1.5	2.4	-0-	-0-	0.1	0.3	1.3	2.0	3.1	4.6	5.0	7.6	7.4	8.6
Seventh	0.9	1.5	-0-	-0-	0.0	0.1	0.5	0.8	1.7	3.0	3.6	6.1	5.6	8.3
Eighth	0.5	1.0	-0-	-0-	0.0	0.0	0.2	0.3	1.0	1.9	2.3	5.0	4.7	7.1
Ninth	0.3	0.7	-0-	-0-	0.0	-0-	0.0	0.1	0.5	1.1	1.5	3.7	3.6	7.6
Tenth or later	0.4	1.0	-0-	-0-	0.0	-0-	0.0	0.1	0.3	0.8	2.1	5.3	7.2	17.1

-0- No frequency.

## THE MORTALITY PICTURE

Despite the greater number of old people in 1950, the general (crude) death rate was lower than in 1940. The crude rate in 1940 was 11.3 deaths per thousand population; in 1949 it was 10.9 and in 1950, 10.6. These crude rates fail to offer an effective means of comparing the force of mortality when the composition of the general population is changing. To compensate for the differences in age composition it is necessary to calculate age-adjusted rates such as those presented in Table 4. Here we see that in

have improved at every age considerably more for women than for men. (The unwary reader, however, must be cautioned against interpreting these facts as evidence that we are tending toward immortality. Postponing death even only a year or two for the people in each age group is enough to cause the rates to fall off in this fashion, but as people become extremely old further postponement becomes nil).

Table 5. -- AGE SPECIFIC AND SEX-AGE SPECIFIC MORTALITY RATES: ILLINOIS, 1940, 1949, AND 1950

(Per 100,000 in the group)

Table 4. -- RESIDENT MORTALITY RATES: ILLINOIS, 1940, 1949, AND 1950

Sex	RATE PER 1,000			AGE ADJUSTED RATE*		
	1950	1949	1940	1950	1949	1940
Both sexes	10.6	10.9	11.2	8.9	9.2	10.8
Male	12.3	12.7	12.6	10.8	11.3	12.1
Female	8.9	9.1	9.9	7.2	7.4	9.4

\* Direct method using 1940 U. S. population.

dropping from 10.8 to 8.9 in the age-adjusted rate, the general risk of death was almost 17 per cent less in 1950 than in 1940. Besides being less likely to die, the women showed the greatest relative decrease (23 per cent). The risk for men dropped off only 11 per cent.

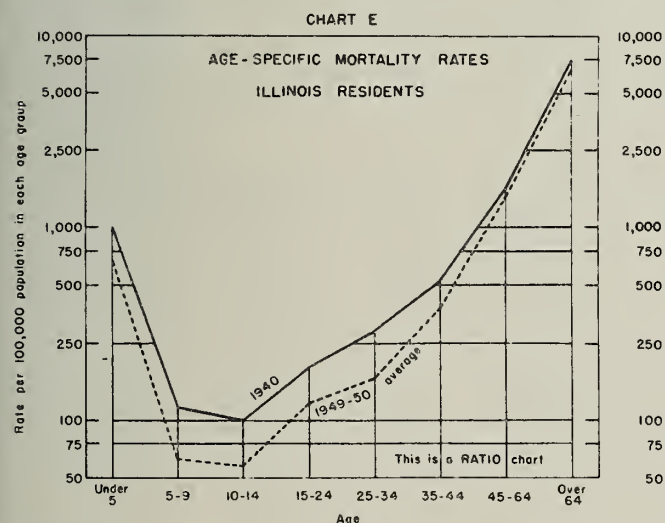
The risk of death in 1950 was less than in 1940 for every one of the major age groups and for each sex, as can be seen in Table 5. The table also demonstrates that male mortality is greater in every age group than female mortality. Closer examination will also show that in the past ten years, the chances of longer life

Age-Sex	AVERAGE 1949-1950	1950	1949	1940
Under 5, total	683	656	711	985
Male	794	770	818	1,110
Female	575	544	607	856
5 - 9 years, total	63	62	64	114
Male	71	73	69	135
Female	53	49	58	93
10 - 14 years, total	58	52	63	100
Male	72	61	82	114
Female	43	43	42	85
15 - 24 years, total	122	118	127	185
Male	159	155	164	214
Female	87	81	92	156
25 - 34 years, total	165	160	170	287
Male	193	186	200	317
Female	138	136	140	259
35 - 44 years, total	379	365	394	522
Male	483	465	502	606
Female	287	276	297	438
45 - 64 years, total	1,447	1,423	1,470	1,587
Male	1,897	1,858	1,936	1,883
Female	1,023	1,013	1,033	1,270
65 years and over, total	6,622	6,574	6,669	7,460
Male	7,566	7,515	7,617	8,097
Female	5,816	5,771	5,861	6,869



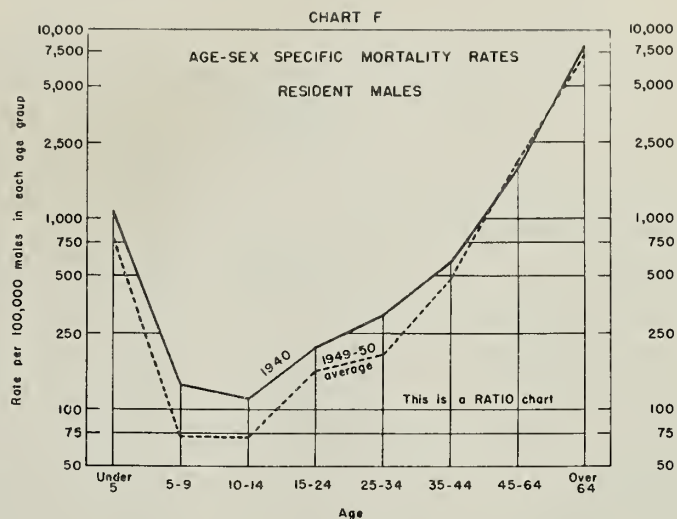
Year by year, we have noted a diminution in mortality from the communicable diseases. Striking reductions are evident over a period as short as ten years. In 1940 there were 1,014 deaths from syphilis, but only 558 reported in 1950. There were 3,654 tuberculosis deaths in 1940 as opposed to 2,215 such deaths in 1950. These reductions are more significant when it is realized that the total population at risk has increased approximately ten per cent, and the number of older people who are subject to the greatest risk of death has increased even more. These great achievements are, in large measure, the fruit of the intensive public health effort, coupled with the success of medical science in finding improved methods of fighting disease after its onset. Antibiotics and preventive methods are jointly responsible for this success story.

The story is much the same for all the controllable communicable diseases, even though



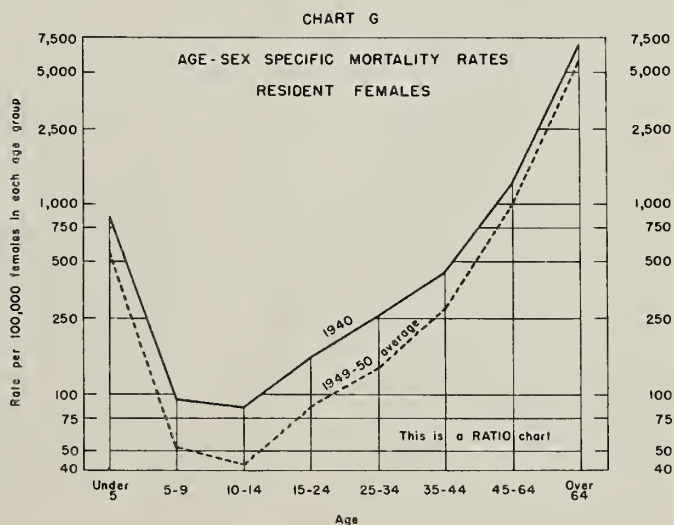
the numbers are not as large. For twelve successive years there has not been a single death from smallpox and for three successive years not a single case. In 1940 there were 86 diphtheria deaths, in 1950 only one. Whooping cough in 1940 claimed 65 lives, as opposed to 22 in 1950. However, there is no cause for complacency even with such success, because the gains can be preserved only by remaining vigilant and taking every precaution. At the same time, a single death from a preventable disease is a serious reproach.

Infant and maternal mortality have long been a primary concern in public health efforts. Here also, steady progress is to be noted. In 1940 there were 352 infant deaths out of every 10,000 live births, while in 1950 there were but 256, a 27 per cent drop. Most of this gain was among babies over one month old, because neonatal deaths per 10,000 births were just 21 per



cent lower in 1950 than in 1940. There were 29 maternal deaths in 1940 for every 10,000 live births, while in 1950 the figure was a mere 7. If 1940 maternal mortality rates had applied in 1950, there would have been 550 maternal deaths instead of the actual 131 reported. Again, we see the fruits of the coordinated efforts of the medical profession, the hospitals, and public health programs--all making good use of recent advances in knowledge on how to control fatal illness by disease prevention as well as treatment.

The principal causes of death in 1950 are the same ones that took the greatest toll in 1940. The five leading causes -- heart disease, cancer, intracranial lesions of vascular origin, accidents, and nephritis -- accounted for 73 per cent of all deaths in 1950 and 67 per cent in 1940. Fatal accidents are fewer than in 1940 and as a result they are now fifth instead of fourth in the list of most frequent causes of death.



## BASIC HEALTH STATISTICS: ILLINOIS RESIDENTS, 1949-1950

Table I. -- NUMBER OF BIRTHS, DEATHS, AND REPORTED CASES

(Cases are those reported to Illinois health officers.)

	International list number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950*
LIVE BIRTHS		124,615	134,739	154,223	153,182	139,781	136,676	174,202	195,328	184,553	189,169	189,596
DEATHS - ALL CAUSES		88,280	86,012	87,040	91,257	87,632	89,306	89,150	93,507	91,254	92,521	92,215
MATERNAL AND INFANT DEATHS												
Maternal causes	140 - 150	359	342	296	311	253	249	238	205	146	148	131
Neonatal deaths	All causes	2,978	3,183	3,613	3,433	3,081	2,983	4,006	4,250	3,789	3,834	3,596
Infant deaths	All causes	4,355	4,633	5,114	5,108	4,565	4,340	5,281	5,667	5,112	5,185	4,850
Premature birth	159	1,514	1,532	1,806	1,697	1,325	1,367	1,984	2,000	1,950	1,890	1,710
Diarrhea and enteritis (Under 2 yrs.)	119	199	259	232	268	199	211	190	182	170	248	164
EXTERNAL CAUSES												
Accidents - all forms	169 - 195	5,788	6,112	5,291	5,125	5,107	5,250	5,598	6,022	5,784	5,442	5,390
Motor vehicle accidents	170	2,259	2,544	1,635	1,274	1,317	1,505	1,872	2,011	1,948	1,817	2,028
Homicide	165 - 168	337	363	349	296	305	355	473	421	482	414	406
Suicide	163 - 164	1,142	1,044	957	831	759	858	943	949	891	1,007	1,013
GENERAL CAUSES												
Appendicitis	121	826	717	549	517	519	406	356	313	270	259	241
Arteriosclerosis	37	1,372	1,283	1,295	1,523	1,537	1,633	1,546	1,447	1,403	1,523	1,551
Cancer	45 - 55	11,147	11,396	11,650	11,959	12,328	12,652	12,820	13,500	13,863	14,137	14,423
Cerebral hemorrhage†	83	6,785	6,644	6,793	7,211	6,799	7,267	7,131	7,538	7,260	7,260	7,643
Cirrhosis of the liver	124	869	853	909	901	875	897	997	1,163	1,210	1,254	1,332
Diabetes mellitus	61	2,638	2,307	2,460	2,590	2,621	2,710	2,573	2,786	2,794	2,915	3,140
Diarrhea and enteritis (2 yrs. & over)	120	226	(#)	134	139	126	96	95	104	77	94	80
Diseases of infancy, total	157 - 161	3,090	3,303	3,725	3,634	3,351	3,217	4,236	4,494	4,123	4,113	3,938
Goiter	63b	286	(#)	250	231	222	226	203	179	162	166	153
Heart disease	90 - 95	27,722	27,228	29,265	31,481	30,734	31,927	31,673	34,504	34,176	35,173	35,281
Hernia and intestinal obstruction	122	764	815	800	830	851	754	750	722	666	659	584
Nephritis	130 - 132	7,264	6,847	6,558	6,876	6,138	6,153	5,623	5,305	5,135	4,900	4,715
Prostatic disease	137	609	558	579	636	651	565	590	579	537	497	473
Stomach, duodenal ulcers	117	569	657	579	615	614	605	540	616	639	674	688
COMMUNICABLE DISEASES												
Chickenpox-----	Deaths	38e	3	6	3	6	7	6	3	6	5	7
	Cases		18,053	16,167	13,618	12,648	16,498	10,510	11,717	14,272	16,294	13,293
Diphtheria-----	Deaths	10	87	58	63	79	21	15	32	12	9	4
	Cases		936	940	815	587	315	194	469	169	87	60
Dysentery-----	Deaths	27	48	43	52	30	36	28	25	24	16	24
	Cases†		202	256	453	152	204	324	236	326	502	617
Encephalitis-----	Deaths	37	27	27	23	29	37	45	23	24	20	21
	Cases		71	110	71	83	78	68	57	60	81	59
Influenza-----	Deaths	33	645	512	377	650	535	350	242	245	138	78
	Cases		1,124	1,402	608	2,096	1,439	1,018	345	1,125	172	311
Malaria-----	Deaths	28	18	8	15	10	4	8	13	6	5	3
	Cases		199	127	92	122	23	6	37	11	8	3
Measles-----	Deaths	35	16	88	36	53	84	10	50	8	83	7
	Cases		8,569	57,075	10,060	29,694	19,451	7,930	25,995	8,341	41,901	5,820
Meningitis (Meningococcus)	Deaths	6	14	17	30	161	194	134	75	46	54	53
	Cases		50	69	90	793	996	611	363	204	214	200
Mumps-----	Deaths	44c	4	2	6	3	4	2	1	--	2	1
	Cases		6,409	13,063	7,388	7,108	6,268	7,205	5,290	6,492	11,749	8,542
Paratyphoid-----	Deaths	2	3	2	--	1	2	1	1	3	--	--
	Cases		19	14	11	13	9	9	10	6	10	2
Pneumonia, all forms-----	Deaths	107 - 109	3,775	3,227	3,199	3,209	2,772	2,931	2,836	3,076	2,622	2,811
	Cases		14,592	12,420	11,359	11,419	8,567	6,813	6,287	4,754	5,070	4,966
Poliomyelitis-----	Deaths	36	54	22	35	156	38	104	182	28	68	246
	Cases		581	374	487	1,576	560	1,104	2,554	860	1,104	2,910
Rabies-----	Deaths	38b	1	1	1	2	2	2	1	--	--	2
	Cases		1	1	1	1	2	3	2	--	--	2
Rheumatoid fever (acute)-----	Deaths	8	133	107	81	78	70	72	60	49	43	34
	Cases‡		(#)	(#)	(#)	(#)	399	275	320	186	157	322
Rocky Mt. spotted fever-----	Deaths	39c	4	5	2	2	2	--	3	4	2	3
	Cases		18	19	25	12	13	18	41	31	17	15
Scarlet fever-----	Deaths	8	66	42	34	21	24	24	8	1	--	2
	Cases		20,814	11,583	7,754	6,989	11,731	10,521	6,397	4,063	4,512	3,991
Smallpox-----	Deaths	6	--	--	--	--	--	--	--	--	--	--
	Cases		167	102	60	68	12	12	6	2	--	--
Tetanus-----	Deaths	12	28	24	29	31	21	18	12	8	9	11
	Cases		42	32	38	44	30	32	37	30	20	37
Tuberculosis, all forms-----	Deaths	13 - 22	3,693	3,535	3,295	3,326	3,197	3,159	3,020	2,845	2,518	2,211
	Cases		8,574	9,412	9,415	8,740	7,967	6,305	6,587	7,772	6,982	7,563
Tularemia-----	Deaths	26a	22	7	1	1	10	5	9	1	2	--
	Cases		272	106	67	55	91	131	98	124	57	75
Typhoid fever-----	Deaths	1	33	25	17	10	12	9	10	4	1	8
	Cases		310	280	233	121	102	87	106	139	93	101
Undulant fever-----	Deaths	5	5	10	7	6	5	4	2	6	5	1
	Cases		155	217	265	306	322	324	478	554	514	444
Whooping cough-----	Deaths	9	65	93	94	101	43	56	30	44	28	27
	Cases		6,411	7,707	11,759	7,459	3,194	4,106	5,431	4,795	2,202	3,936
VENEREAL DISEASES												
Gonococcus infection-----	Deaths	25	16	13	11	4	8	6	4	4	6	6
	Cases§		17,281	19,249	20,606	21,580	22,580	27,117	37,956	32,794	28,725	25,080
Syphilis-----	Deaths	30	1,003	943	846	866	855	796	682	614	631	555
	Cases§		21,979	23,484	28,678	28,680	25,165	21,675	23,701	19,360	13,904	11,266

\*1950 figures are provisional.

†Intracranial lesions of vascular origin.

‡Amoebiasis carriers included in the dysentery group, 1945 - 1950.

§The regulation requiring the reporting of rheumatic fever, in downstate Illinois only, went into effect July 1, 1943.

#Not available.

‡Includes Out-of-State cases reported by downstate agencies.



## BASIC HEALTH STATISTICS: ILLINOIS RESIDENTS, 1949-1950

Table II. -- NATALITY, MORBIDITY, AND MORTALITY RATES

(Based on births and deaths of Illinois residents, and cases reported to Illinois health officers. The birth rate and rate for mortality all causes are per 1,000 population. Fetal and infant causes, except diarrhea and enteritis, are per 1,000 live births. All other rates are per 100,000 population. Population estimated for each year as of July 1.)

	International list number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950*
ALL BIRTHS		15.6	17.0	19.5	20.2	18.3	17.7	22.2	24.2	22.3	22.2	21.7
DEATHS - ALL CAUSES		11.2	10.8	11.0	12.0	11.5	11.6	11.4	11.6	11.0	10.9	10.6
FETAL AND INFANT CAUSES												
Maternal causes	140 - 150	2.9	2.5	1.9	2.0	1.8	1.8	1.4	1.0	0.8	0.8	0.7
Neonatal mortality	All causes	23.9	23.6	23.4	22.4	22.0	21.8	23.0	21.8	20.5	20.3	19.0
Infant mortality	All causes	34.7	34.4	33.2	33.3	32.7	31.8	30.3	29.0	27.7	27.4	25.6
Premature birth	159	12.1	11.4	11.7	11.1	9.5	10.0	11.4	10.2	10.6	10.0	9.0
Diarrhea and enteritis (Under 2 yrs.)	119	2.5	3.3	2.9	3.5	2.6	2.7	2.4	2.3	2.1	2.9	1.9
EXTERNAL CAUSES												
Accidents - all forms	169 - 195	73.2	76.9	66.9	67.5	66.9	68.0	71.5	74.5	69.8	63.9	61.7
Motor vehicle accidents	170	28.6	32.0	20.7	16.8	17.3	19.5	23.9	24.9	23.5	21.3	23.2
Homicide	165 - 166	4.3	4.6	4.4	3.9	4.0	4.6	6.0	5.2	5.8	4.9	4.6
Suicide	163 - 164	14.4	13.1	12.1	10.9	9.9	11.1	12.0	11.7	10.7	11.8	11.6
INTERNAL CAUSES												
Appendicitis	121	10.4	9.0	6.9	6.8	6.8	5.3	4.5	3.9	3.3	3.0	2.8
Arteriosclerosis	97	17.4	16.2	16.4	20.1	20.1	21.2	19.7	17.9	16.9	17.9	17.8
Cancer	45 - 55	141.0	143.5	147.4	157.5	161.6	163.9	163.7	167.0	167.2	166.1	165.2
Cerebral hemorrhage†	83	85.8	83.6	85.9	95.0	89.1	94.1	91.1	93.3	87.6	85.3	87.5
Cirrhosis of the liver	124	11.0	10.7	11.5	11.9	11.5	11.6	12.7	14.4	14.6	14.7	15.3
Diabetes mellitus	61	33.4	29.0	31.1	34.1	34.4	35.1	32.9	34.5	33.7	34.2	36.0
Diarrhea and enteritis (2 yrs. & over)	120	2.9	(#)	1.7	1.8	1.7	1.2	1.2	1.3	0.9	1.1	1.0
Diseases of infancy, total	157 - 161	38.1	41.6	47.1	47.9	43.9	41.7	54.1	55.6	49.7	48.3	45.1
Goiter	63b	3.6	(#)	3.2	3.0	2.9	2.9	2.6	2.2	2.0	2.0	1.8
Heart disease	90 - 95	350.6	342.8	370.2	414.6	402.8	413.5	404.5	426.9	412.2	413.2	404.1
Hernia and intestinal obstruction	122	9.7	10.3	10.1	10.9	11.2	9.8	9.6	8.9	8.0	7.7	6.7
Nephritis	130 - 132	91.9	86.2	83.0	90.6	80.4	79.7	71.8	65.6	61.9	57.6	54.0
Prostatic disease	137	7.7	7.0	7.3	8.4	8.5	7.3	7.5	7.2	6.5	5.8	5.4
Stomach, duodenal ulcers	117	7.2	8.3	7.3	8.1	8.0	7.8	6.9	7.6	7.7	7.9	7.9
COMMUNICABLE DISEASES												
Chickenpox	Deaths	38e	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1
	Cases		228.3	203.5	172.3	166.6	216.2	136.1	149.6	176.6	192.1	152.2
Diphtheria	Deaths	10	1.1	0.7	0.8	1.0	0.3	0.2	0.4	0.1	0.0	0.0
	Cases		11.8	11.8	10.3	7.7	4.1	2.5	6.0	2.1	1.0	0.6
Dysentery	Deaths	27	0.6	0.5	0.7	0.4	0.5	0.4	0.3	0.2	0.3	0.3
	Cases†		2.6	3.2	5.7	2.0	2.7	4.2	3.0	4.0	6.1	7.2
Encephalitis	Deaths	37	0.3	0.3	0.3	0.4	0.5	0.6	0.3	0.3	0.2	0.3
	Cases		0.9	1.4	0.9	1.1	1.0	0.9	0.7	0.7	1.0	0.7
Influenza	Deaths	33	8.2	6.4	4.8	8.6	7.0	4.5	3.1	3.0	1.7	0.9
	Cases		14.2	17.6	7.7	27.6	18.9	13.2	4.4	13.9	2.1	3.7
Malaria	Deaths	28	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.0
	Cases		2.5	1.6	1.2	1.6	0.3	0.1	0.5	0.1	0.1	0.0
Measles	Deaths	35	0.2	1.1	0.5	0.7	1.1	0.1	0.6	0.1	1.0	0.1
	Cases		109.6	718.5	127.3	391.1	254.9	102.7	332.0	103.2	505.4	68.4
Meningitis (Meningococcus)	Deaths	6	0.2	0.2	0.4	2.1	2.5	1.7	1.0	0.6	0.7	0.6
	Cases		0.6	0.9	1.1	10.4	13.1	7.9	4.6	2.5	2.6	2.6
Mumps	Deaths	44c	0.1	0.0	0.1	0.0	0.1	0.0	0.0	-0	0.0	0.0
	Cases		81.1	164.4	93.5	93.6	82.1	93.3	67.6	80.3	141.7	100.3
Paratyphoid	Deaths	2	0.0	0.0	-0	0.0	0.0	0.0	0.0	0.0	-0	-0
	Cases		0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0
Pneumonia, all forms	Deaths	107 - 109	47.7	40.6	40.5	42.3	36.3	38.0	36.2	38.1	31.6	33.0
	Cases		184.6	156.4	143.7	150.4	112.3	88.2	80.3	58.8	61.1	58.3
Poliomyelitis	Deaths	36	0.7	0.3	0.4	2.1	0.5	1.3	2.3	0.3	0.8	2.9
	Cases		7.3	4.7	6.2	20.8	7.3	14.3	32.6	10.6	13.3	34.2
Rabies	Deaths	38b	0.0	0.0	0.0	0.0	0.0	0.0	-0	-0	0.0	-0
	Cases		0.0	0.0	0.0	0.0	0.0	0.0	-0	-0	-0	-0
Rheumatic fever (acute) ---	Deaths	58	1.7	1.3	1.0	1.0	0.9	0.9	0.8	0.6	0.5	0.4
	Cases §		(#)	(#)	(#)	(#)	5.2	3.6	4.1	2.3	1.9	3.8
Rocky Mt. spotted fever ---	Deaths	39c	0.1	0.1	0.0	0.0	0.0	-0	0.0	0.0	0.0	0.0
	Cases		0.2	0.2	0.3	0.2	0.2	0.2	0.5	0.4	0.2	0.1
Scarlet fever	Deaths	8	0.8	0.5	0.4	0.3	0.3	0.3	0.1	0.0	-0	-0
	Cases		263.3	145.8	98.1	92.0	153.7	136.3	81.7	50.3	54.4	46.9
Smallpox	Deaths	6	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0
	Cases		2.1	1.3	0.8	0.9	0.2	0.2	0.1	0.0	-0	-0
Tetanus	Deaths	12	0.4	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1
	Cases		0.5	0.4	0.5	0.6	0.4	0.4	0.5	0.4	0.2	0.4
Tuberculosis, all forms ---	Deaths	13 - 22	46.7	44.5	41.7	43.8	41.9	40.9	38.6	35.2	32.0	29.6
	Cases		108.4	118.5	119.1	115.1	104.4	81.7	84.1	96.2	84.2	93.5
Typhoid fever	Deaths	26a	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
	Cases		3.4	1.3	0.8	0.7	1.2	1.7	1.3	1.5	0.7	0.9
Typhoid fever	Deaths	1	0.4	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.0
	Cases		3.9	3.5	2.9	1.6	1.3	1.1	1.4	1.7	1.1	1.2
Undulant fever	Deaths	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	Cases		2.0	2.7	3.4	4.0	4.2	4.2	6.1	6.9	6.2	5.1
Whooping cough	Deaths	9	0.8	1.2	1.2	1.3	0.6	0.7	0.4	0.5	0.3	0.3
	Cases		81.1	97.0	148.8	98.2	41.9	53.2	69.4	59.3	26.6	46.2
INTERNAL DISEASES												
Mononucleosis infection	Deaths	25	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
	Cases §		218.6	242.3	260.7	284.2	295.9	351.2	484.7	405.8	346.5	294.6
Syphilis	Deaths	30	12.7	11.9	10.7	11.4	11.2	10.3	9.7	8.4	7.4	6.4
	Cases §		278.0	295.6	362.8	377.7	329.8	280.7	302.7	239.5	205.1	163.3

\*1950 figures are provisional.

†Intracranial lesions of vascular origin.

‡Amebiasis carriers included in the dysentery group, 1945 - 1950.

§The regulation requiring the reporting of rheumatic fever, in downstate Illinois only, went into effect July 1, 1943.

#Not available.

¶Includes Out-of-State cases reported by downstate agencies.

Table III. -- BIRTHS AND DEATHS IN 1950 FOR COUNTIES AND THE LARGER CITIES

	Live Births		Stillbirths†		Deaths			Live Births		Stillbirths†		Deaths	
	Resident	Recorded	Res.	Rec.	Res.	Rec.		Res.	Rec.	Res.	Rec.	Res.	Rec.
ENTIRE STATE	189,596*	186,629	3,040*	3,096	92,215*	91,014	EDWARDS	169	55	2	--	103	62
CHICAGO	78,251	78,609	1,405	1,432	40,684	37,284	EFFINGHAM	529	473	10	10	199	172
DOWNSSTATE	111,345	108,020	1,631	1,664	51,520	53,730	FAYETTE	476	536	4	7	252	248
ADAMS	1,331	1,616	18	19	889	934	FORD	359	182	2	1	185	146
QUINCY	915	1,599	10	19	596	729	FRANKLIN	858	690	15	11	525	439
ALEXANDER	371	659	15	29	295	342	W. FRANKFORT	217	26	6	3	131	122
CAIRO	216	624	11	29	196	293	FULTON	884	782	9	8	477	427
BOND	285	8	5	1	166	82	CANTON	260	758	5	8	148	253
BOONE	360	459	4	5	193	208	GALLATIN	202	112	4	2	113	79
BROWN	125	25	--	--	106	75	GREENE	373	523	6	8	226	167
BUREAU	700	856	15	14	426	433	GRUNDY	443	331	9	6	215	167
CALHOUN	127	21	1	--	54	35	HAMILTON	227	210	3	1	148	109
CARROLL	412	322	8	4	242	199	HANCOCK	533	228	3	3	341	215
CASS	314	345	2	1	191	145	HARDIN	153	129	5	5	72	52
CHAMPAIGN	2,389	2,843	41	44	771	813	HENDERSON	163	8	--	--	74	33
CHAMPAIGN CITY	943	951	11	14	300	307	HENRY	996	1,029	22	22	546	493
URBANA	598	1,433	10	22	171	265	KEWANEE	329	743	9	16	211	254
CHRISTIAN	820	925	10	15	430	372	IROQUOIS	692	556	14	8	323	255
CLARK	356	41	3	1	211	141	JACKSON	767	1,036	4	11	465	442
CLAY	404	386	6	6	158	146	JASPER	264	75	2	1	139	79
CLINTON	590	434	13	7	231	195	JEFFERSON	776	867	7	9	362	349
COLES	892	1,098	14	20	439	416	MT. VERNON	407	804	4	8	187	243
MATTOON	431	757	8	13	205	208	JERSEY	362	49	3	--	144	98
COOK	97,716	97,284	1,686	1,710	48,284	46,624	JO DAVIESS	446	23	4	--	261	167
BERWYN	923	1,918	11	25	495	570	JOHNSON	144	70	4	3	105	81
BLUE ISLAND	510	986	11	19	184	272	KANE	3,252	5,044	52	77	1,555	2,267
BROOKFIELD	335	3	4	1	141	73	AURORA	1,235	2,416	18	36	621	745
CALUMET CITY	353	1	--	--	118	56	ELGIN	821	1,849	14	31	428	1,031
CHICAGO HEIGHTS	729	1,492	19	25	246	296	KANKAKEE	1,398	1,487	17	21	602	1,487
CICERO	1,285	7	16	--	621	299	KANKAKEE CITY	585	1,413	7	12	284	351
ELMWOOD PARK	373	--	5	--	142	66	KENDALL	282	3	4	--	137	72
EVANSTON	1,452	4,123	27	59	708	1,029	KNOX	1,140	1,205	15	18	616	579
FOREST PARK	324	--	2	--	183	127	GALESBURG	670	1,197	9	18	393	454
HARVEY	595	1,126	8	19	178	208	LAKE	4,351	4,543	72	76	1,423	1,554
LA GRANGE	363	--	6	--	139	65	HIGHLAND PARK	349	411	7	9	122	117
MAYWOOD	564	2	2	--	262	124	WAUKEGAN	951	1,091	14	15	366	262
MELROSE PARK	438	549	9	5	120	164	LA SALLE	2,317	2,507	27	29	1,138	1,068
OAK PARK	1,121	4,662	15	64	741	915	LA SALLE CITY	230	415	3	6	149	170
PARK RIDGE	323	2	5	--	148	72	OTTAWA	426	776	5	8	192	212
WILMETTE	321	1	4	--	201	144	STREATOR	443	895	6	11	208	276
WINNETKA	168	--	2	--	97	62	LAWRENCE	423	254	5	3	235	199
CRAWFORD	419	397	6	6	240	231	LEE	739	753	8	9	419	510
CUMBERLAND	214	61	2	--	129	84	DIXON	305	629	5	6	142	188
DE KALB	988	1,148	12	16	403	420	LIVINGSTON	795	742	12	10	410	471
DE WITT	328	248	4	5	205	156	LOGAN	521	571	10	13	313	406
DOUGLAS	376	404	8	5	205	190	LINCOLN	228	564	6	13	152	289
DU PAGE	3,387	2,220	42	32	1,242	1,162	MC DONOUGH	611	656	6	9	330	363
ELMHURST	488	1,639	6	23	182	337							
EDGAR	459	470	4	8	313	293							

See footnotes at end of table.



Table III. -- BIRTHS AND DEATHS IN 1950 FOR COUNTIES AND THE LARGER CITIES, Continued

	Live Births		Stillbirths†		Deaths			Live Births		Stillbirths†		Deaths	
	Resident	Recorded	Res.	Rec.	Res.	Rec.		Res.	Rec.	Res.	Rec.	Res.	Rec.
MC HENRY	1,199	776	11	5	516	397	ROCK ISLAND	3,144	3,271	40	45	1,244	1,437
MC LEAN	1,653	1,925	20	25	863	879	EAST MOLINE	322	4	6	--	90	273
BLOOMINGTON	739	1,680	9	15	432	542	MOLINE	985	2,322	10	28	402	568
MACON	2,389	2,804	40	45	960	1,066	ROCK ISLAND	1,095	914	12	15	529	451
DECATUR	1,629	2,796	27	45	698	904	ST. CLAIR	4,847	4,495	57	58	2,148	1,998
MACOUPIN	828	200	8	4	605	372	BELLEVILLE	967	1,358	14	15	412	501
MADISON	4,288	4,162	78	81	1,610	1,738	E. ST. LOUIS	2,029	2,620	21	34	989	1,072
ALTON	758	1,666	14	37	383	535	SALINE	562	833	8	16	409	413
GRANITE CITY	743	1,085	10	19	252	244	HARRISBURG	189	407	5	8	141	164
MARION	869	1,111	15	21	439	451	SANGAMON	3,006	3,505	36	39	1,591	1,791
CENTRALIA	320	717	5	16	182	249	SPRINGFIELD	1,796	3,479	27	38	1,073	1,519
MARSHALL	275	10	1	--	145	72	SCHUYLER	185	134	3	1	119	78
MASON	305	27	6	1	159	82	SCOTT	171	29	3	2	83	33
MASSAC	250	246	5	6	176	177	SHELBY	527	377	8	6	297	246
MENARD	201	28	2	--	116	61	STARK	189	1	6	--	82	35
MERCER	362	208	5	3	203	151	STEPHENSON	851	1,254	10	21	466	532
MONROE	274	3	3	--	135	75	FREEPORT	462	1,229	3	21	282	434
MONTGOMERY	655	993	18	21	423	518	TAZEWELL	1,947	787	24	20	580	381
MORGAN	634	913	7	13	398	803	PEKIN	494	773	10	17	207	212
JACKSONVILLE	321	896	4	13	238	729	UNION	366	378	9	10	203	447
MOULTRIE	310	27	2	--	152	112	VERMILION	1,895	2,106	30	33	1,048	1,116
OGLE	757	395	15	7	343	249	DANVILLE	878	2,078	14	33	527	715
PEORIA	4,004	5,492	66	81	1,760	2,157	WABASH	305	118	5	4	182	158
PEORIA CITY	2,478	5,414	37	78	1,267	1,486	WARREN	447	580	5	6	292	292
PERRY	415	455	11	11	236	223	WASHINGTON	251	40	1	--	164	123
PIATT	298	170	8	2	153	104	WAYNE	429	320	5	4	212	160
PIKE	400	347	4	4	317	252	WHITE	432	181	7	4	227	161
POPE	80	37	--	--	69	44	WHITESIDE	1,302	1,206	17	20	501	438
PULASKI	254	144	11	4	181	127	STERLING	328	847	5	17	154	209
PUTNAM	95	--	2	3	60	27	WILL	2,897	2,859	44	46	1,340	1,332
RANDOLPH	572	747	10	8	335	377	JOLIET	1,745	2,840	24	46	690	908
RICHLAND	410	584	4	8	167	231	WILLIAMSON	820	696	18	20	549	592
							WINNEBAGO	3,717	3,638	58	59	1,465	1,400
							ROCKFORD	2,065	3,578	34	56	994	1,027
							WOODFORD	516	18	11	--	207	154

Note: "Resident" refers to births and deaths among residents of the area. "Recorded" refers to the births and deaths that took place in the area, irrespective of where the persons concerned may have usually resided.

\*The State totals include 5 live births, 4 stillbirths, and 9 deaths for which the specific place of residence within the State was not reported.

†Fetus having advanced to 5th month of uterogestation

Table IV. -- SUMMARY OF BIRTHS AND DEATHS BY SIX MAJOR REGIONS: ILLINOIS, 1950

	LIVE BIRTHS				STILLBIRTHS				DEATHS			
	Recorded		Resident		Recorded		Resident		Recorded		Resident	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
TOTAL	186,629	21.4	189,596	21.7	3,096	16.6	3,040	16.0	91,014	10.4	92,215	10.6
Region I	111,950	21.8	111,603	21.8	1,941	17.3	1,896	17.0	52,939	10.3	53,844	10.5
Region II	19,458	21.9	20,146	22.6	286	14.7	283	14.0	9,704	10.9	9,177	10.3
Region III	6,279	25.1	5,951	23.8	101	16.1	90	15.1	2,538	10.1	2,340	9.3
Region IV	28,001	20.3	29,410	21.3	401	14.3	410	13.9	15,031	10.9	15,595	11.3
Region V	8,657	22.3	9,135	23.5	139	16.1	135	14.8	3,736	9.6	3,758	9.7
Region VI	12,284	18.2	13,346	19.7	228	18.6	222	16.6	7,066	10.4	7,492	11.1
Unspecified place in Illinois	--	--	5	--	--	--	4	--	--	--	9	--

\*Birth and death rates are per 1,000 population. Stillbirth rates are per 1,000 live births.

Table V. -- DEATHS OF ILLINOIS RESIDENTS ACCORDING TO CAUSE, 1950

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	*92,215	3,596	4,850	5,675	706	1,380	7,043	27,921	49,480	21,366
SELECTED CAUSES OF DEATH	*88,040	3,547	4,661	5,331	596	1,240	6,427	26,652	47,789	20,291
Diseases of infancy, total	3,936	3,361	3,718	3,807	30	12	51	32	4	965
Premature birth	1,710	1,702	1,710	1,710	xxx	xxx	xxx	xxx	xxx	388
Maternal causes, total	131	xxx	xxx	xxx	--	29	100	2	xxx	42
Puerperal septicemia	41	xxx	xxx	xxx	--	12	28	1	xxx	16
Puerperal toxemia	33	xxx	xxx	xxx	--	8	25	--	xxx	8
Communicable diseases, total	5,815	132	595	809	129	206	940	1,734	1,997	1,134
Acute respiratory diseases, total	2,653	126	542	655	32	30	163	516	1,257	643
Influenza	108	2	15	17	1	3	2	10	75	50
Pneumonia	2,545	124	527	638	31	27	161	506	1,182	593
Diphtheria	1	--	--	1	--	--	--	--	--	--
Dysentery—all forms	22	--	4	7	2	--	4	4	5	6
Encephalitis—infectious	23	--	--	3	--	1	5	10	4	6
Measles	8	--	1	6	2	--	--	--	--	2
Meningitis—meningococcus	49	2	13	29	3	5	5	5	2	11
Pertussis (whooping cough)	22	--	10	19	3	--	--	--	--	15
Poliomyelitis	129	--	1	13	41	25	47	3	--	42
Rheumatic fever	32	--	--	--	14	3	10	4	1	8
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	558	2	3	3	--	7	41	296	211	95
Tuberculosis—all forms	2,215	1	9	52	26	131	644	868	494	274
Pulmonary tuberculosis	2,028	1	7	16	14	111	593	826	468	249
Other communicable diseases	103	1	12	21	6	4	21	28	23	32
Accidents—all forms, total	5,390	14	131	343	265	579	1,066	1,256	1,880	1,647
Motor vehicle	2,028	1	13	69	118	381	540	535	384	661
Home	1,702	8	97	216	59	39	144	220	1,024	514
Occupational	423	xxx	xxx	xxx	1	35	141	205	41	156
Public	1,237	5	21	58	87	124	241	296	431	316
Arteriosclerosis	1,551	xxx	xxx	xxx	--	--	3	127	1,421	479
Cancer	14,423	--	6	44	44	65	1,004	5,887	7,379	3,007
Diabetes	3,140	1	1	4	8	17	111	1,090	1,910	639
Diseases of digestive system, total	3,966	32	182	253	44	45	463	1,587	1,574	798
Appendicitis	241	--	--	14	14	9	44	97	63	52
Cirrhosis of the liver	1,332	--	1	3	4	8	210	659	448	194
Diarrhea and enteritis	250	24	141	168	5	3	12	29	33	62
Hernia and intestinal obstruction	584	4	21	28	6	9	43	160	338	147
Ulcers of stomach or duodenum	688	1	3	4	--	3	66	317	296	140
Goiter—exophthalmic	157	--	--	--	--	2	13	68	74	40
Heart disease, total	*35,281	4	15	23	40	106	1,659	10,996	22,453	7,708
Coronary	*10,786	--	1	1	1	11	618	4,560	5,593	2,621
Chronic rheumatic	1,620	--	--	2	20	46	339	612	601	400
Homicide	406	1	2	7	6	54	213	104	22	45
Intracranial lesions of vascular origin	7,643	2	9	22	9	15	223	1,999	5,375	2,160
Nephritis	4,715	--	2	19	19	50	326	1,267	3,034	1,175
Prostatic disease	473	--	--	--	--	--	1	66	406	155
Suicide	1,013	xxx	xxx	xxx	2	60	254	437	260	297
ALL OTHER KNOWN CAUSES	*4,075	46	182	335	107	129	592	1,238	1,672	1,023
CAUSE AS YET UNASSIGNED	*100	3	7	9	3	11	24	31	19	52

\*Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 10; Selected causes of death, 5; Accidents--all forms, total, 1; Motor vehicle, 1; Heart disease, total, 4; Coronary, 2; All other known causes, 2; and Cause as yet unassigned, 3.



Table VI -- DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1950  
(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	*53,844	2,051	2,740	3,189	363	748	4,724	19,065	25,752	3,187
SELECTED CAUSES OF DEATH	*51,605	2,028	2,634	2,996	302	673	4,314	18,312	25,006	3,043
Diseases of infancy, total	2,244	1,912	2,104	2,150	19	10	39	24	2	170
Premature birth	980	974	980	980	xxx	xxx	xxx	xxx	xxx	65
Maternal causes, total	74	xxx	xxx	xxx	--	17	55	2	xxx	7
Puerperal septicemia	24	xxx	xxx	xxx	--	8	15	1	xxx	3
Puerperal toxemia	17	xxx	xxx	xxx	--	6	11	--	xxx	--
Communicable diseases, total	3,703	87	349	474	73	147	718	1,241	1,050	162
Acute respiratory diseases, total	1,544	84	321	306	17	19	114	366	642	96
Influenza	26	1	4	4	1	1	1	5	14	5
Pneumonia	1,518	83	317	302	16	18	113	361	628	91
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	17	--	4	5	1	--	4	4	3	2
Encephalitis—infectious	15	--	--	2	--	--	5	7	1	--
Measles	6	--	--	5	1	--	--	--	--	--
Meningitis—meningococcus	32	1	10	19	3	3	2	4	1	1
Pertussis (whooping cough)	3	--	2	3	--	--	--	--	--	--
Poliomyelitis	62	--	--	5	22	8	26	1	--	9
Rheumatic fever	13	--	--	--	3	2	6	2	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	316	--	--	--	--	1	23	180	112	16
Tuberculosis—all forms	1,650	1	7	12	22	111	526	664	285	37
Pulmonary tuberculosis	1,516	1	7	15	13	93	484	641	272	37
Other communicable diseases	45	1	5	7	4	3	12	13	6	1
Accidents—all forms, total	*2,615	7	59	100	106	241	544	755	806	256
Motor vehicle	*967	--	3	24	49	148	252	306	187	115
Home	761	3	46	108	20	23	82	145	383	73
Occupational	180	xxx	xxx	xxx	--	11	49	106	14	18
Public	707	4	10	28	39	59	161	198	222	50
Arteriosclerosis	664	xxx	xxx	xxx	--	--	2	72	590	43
Cancer	8,843	--	2	27	29	34	655	4,019	4,079	497
Diabetes	1,923	--	--	1	3	4	72	771	1,072	96
Diseases of digestive system, total	2,489	19	104	143	24	27	330	1,107	858	123
Appendicitis	147	--	--	7	9	5	31	64	31	8
Cirrhosis of the liver	939	--	1	2	1	5	172	496	263	34
Diarrhea and enteritis	137	14	84	99	2	1	7	17	11	15
Hernia and intestinal obstruction	330	3	13	19	5	6	20	108	172	19
Ulcers of stomach or duodenum	437	1	3	4	--	2	46	211	174	23
Goiter—exophthalmic	76	--	--	--	--	2	8	40	26	7
Heart disease, total	*21,415	2	9	13	27	81	1,221	7,835	12,237	1,170
Coronary	*5,915	--	1	1	1	8	402	2,925	2,577	383
Chronic rheumatic	919	--	--	2	13	37	239	402	226	67
Homicide	304	1	2	3	3	40	162	82	14	11
Intracranial lesions of vascular origin	3,819	--	4	12	3	6	136	1,228	2,434	260
Nephritis	2,640	--	1	13	12	25	224	843	1,523	167
Prostatic disease	233	--	--	--	--	--	1	43	189	18
Suicide	563	xxx	xxx	xxx	1	39	147	250	126	50
ALL OTHER KNOWN CAUSES	*2,203	23	105	192	60	69	400	739	742	137
CAUSE AS YET UNASSIGNED	36	--	1	1	1	6	10	14	4	7

\*Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 3; Selected causes of death, 2; Accidents--all forms, total, 1; Motor vehicle, 1; Heart disease, total, 1; Coronary, 1; and All other known causes, 1.

Table VII. -- DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1950

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	* 9,177	380	530	650	*95	155	564	2,093	5,618	3,802
SELECTED CAUSES OF DEATH	* 8,684	372	506	604	82	138	507	1,961	5,391	3,586
Diseases of infancy, total	422	352	400	411	3	1	5	1	1	171
Premature birth	155	155	155	155	xxx	xxx	xxx	xxx	xxx	67
Maternal causes, total	12	xxx	xxx	xxx	--	5	7	--	xxx	6
Puerperal septicemia	2	xxx	xxx	xxx	--	1	1	--	xxx	2
Puerperal toxemia	5	xxx	xxx	xxx	--	1	4	--	xxx	2
Communicable diseases, total	496	11	64	102	25	15	50	105	199	202
Acute respiratory diseases, total	281	10	56	73	8	2	12	40	146	118
Influenza	19	--	2	2	--	--	1	2	14	9
Pneumonia	262	10	54	71	8	2	11	38	132	109
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	4	--	--	2	1	--	--	--	1	4
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	1	1	--	--	--	--	--	1
Meningitis—meningococcus	3	1	1	3	--	--	--	--	--	1
Pertussis (whooping cough)	3	--	--	3	--	--	--	--	--	2
Poliomyelitis	36	--	1	7	10	8	10	1	--	17
Rheumatic fever	6	--	--	--	3	--	2	1	--	3
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	40	--	--	--	--	1	2	22	15	10
Tuberculosis—all forms	106	--	1	5	3	4	23	36	35	39
Pulmonary tuberculosis	85	--	--	--	1	4	19	29	32	28
Other communicable diseases	16	--	4	8	--	--	1	5	2	7
Accidents—all forms, total	626	2	17	50	34	81	111	104	246	295
Motor vehicle	240	--	2	13	13	57	70	46	41	109
Home	219	2	13	27	13	3	14	15	147	106
Occupational	45	xxx	xxx	xxx	--	5	13	18	9	22
Public	122	--	2	10	8	16	14	25	49	58
Arteriosclerosis	184	xxx	xxx	xxx	--	--	1	10	173	80
Cancer	1,441	--	--	6	4	4	105	467	855	532
Diabetes	308	1	1	1	1	3	12	72	219	113
Diseases of digestive system, total	378	6	23	30	7	9	32	114	186	143
Appendicitis	25	--	--	2	1	2	5	6	9	10
Cirrhosis of the liver	97	--	--	--	--	1	11	37	48	37
Diarrhea and enteritis	32	4	18	21	2	2	1	1	5	16
Hernia and intestinal obstruction	65	1	3	3	--	1	5	13	43	26
Ulcers of stomach or duodenum	64	--	--	--	--	1	3	26	34	19
Goiter—exophthalmic	20	--	--	--	--	--	1	6	13	8
Heart disease, total	* 3,254	--	--	--	3	3	105	753	2,389	1,392
Coronary	* 1,289	--	--	--	--	1	53	452	782	518
Chronic rheumatic	148	--	--	--	1	1	26	47	73	58
Homicide	15	--	--	--	1	3	6	2	3	3
Intracranial lesions of vascular origin	899	--	1	3	2	4	24	180	686	378
Nephritis	466	--	--	1	1	4	27	90	343	190
Prostatic disease	58	--	--	--	--	--	--	6	52	28
Suicide	105	xxx	xxx	xxx	1	6	21	51	26	45
ALL OTHER KNOWN CAUSES	476	8	22	43	13	17	52	130	221	202
CAUSE AS YET UNASSIGNED	* 17	--	2	3	--	--	5	2	6	14

\*Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 2; Selected causes of death, 1; Heart disease, total, 1; Coronary, 1; and Cause as yet unassigned, 1.



Table VIII. -- DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, 1950

(Provisional Report)

[illegible]

Table IX. -- DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1950

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	*15,595	604	788	906	123	209	820	3,352	10,181	7,967
SELECTED CAUSES OF DEATH	*14,860	596	769	865	107	189	750	3,160	9,787	7,578
Diseases of infancy, total	661	574	631	646	4	1	5	4	1	333
Premature birth	305	305	305	305	xxx	xxx	xxx	xxx	xxx	142
Maternal causes, total	23	xxx	xxx	xxx	--	3	20	--	xxx	18
Puerperal septicemia	10	xxx	xxx	xxx	--	2	8	--	xxx	8
Puerperal toxemia	6	xxx	xxx	xxx	--	1	5	--	xxx	4
Communicable diseases, total	799	19	91	111	14	18	68	178	410	403
Acute respiratory diseases, total	425	18	84	96	3	7	15	48	256	237
Influenza	33	--	5	5	--	1	--	1	26	23
Pneumonia	392	18	79	91	3	6	15	47	230	214
Diphtheria	1	--	--	1	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	5	--	--	1	--	--	--	2	2	4
Measles	1	--	--	--	1	--	--	--	--	1
Meningitis—meningococcus	4	--	--	2	--	--	2	--	--	4
Pertussis (whooping cough)	6	--	3	5	1	--	--	--	--	6
Poliomyelitis	17	--	--	--	3	5	8	1	--	9
Rheumatic fever	8	--	--	--	5	1	1	--	1	4
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	105	1	1	1	--	2	5	46	51	35
Tuberculosis—all forms	202	--	--	1	--	3	32	76	90	91
Pulmonary tuberculosis	183	--	--	--	--	2	30	68	83	86
Other communicable diseases	25	--	3	4	1	--	5	5	10	12
Accidents—all forms, total	1,070	1	24	62	64	119	183	189	453	606
Motor vehicle	414	--	4	18	32	81	106	96	81	245
Home	386	1	16	35	7	7	22	31	284	192
Occupational	84	xxx	xxx	xxx	1	8	28	35	12	58
Public	186	--	4	9	24	23	27	27	76	111
Arteriosclerosis	339	xxx	xxx	xxx	--	--	--	14	325	175
Cancer	2,200	--	1	4	4	6	119	708	1,359	1,081
Diabetes	510	--	--	--	3	4	12	130	361	253
Diseases of digestive system, total	530	2	18	30	7	1	47	156	289	262
Appendicitis	30	--	--	1	2	--	4	8	15	12
Cirrhosis of the liver	129	--	--	1	1	--	9	49	69	60
Diarrhea and enteritis	28	2	11	14	--	--	3	4	7	5
Hernia and intestinal obstruction	106	--	3	4	1	--	9	21	71	64
Ulcers of stomach or duodenum	84	--	--	--	--	--	10	29	45	39
Goiter—exophthalmic	43	--	--	--	--	--	2	15	26	19
Heart disease, total	*5,899	--	1	4	6	13	152	1,229	4,493	2,952
Coronary	2,103	--	--	--	--	1	83	670	1,349	1,029
Chronic rheumatic	273	--	--	--	3	6	30	66	168	155
Homicide	35	--	--	3	1	3	18	8	2	15
Intracranial lesions of vascular origin	1,581	--	2	3	1	1	36	301	1,239	826
Nephritis	883	--	1	2	3	10	41	143	684	457
Prostatic disease	97	--	--	--	--	--	--	7	90	61
Suicide	190	xxx	xxx	xxx	--	10	47	78	55	117
ALL OTHER KNOWN CAUSES	*717	8	19	41	14	17	67	187	390	376
CAUSE AS YET UNASSIGNED	*18	--	--	--	2	3	3	5	4	13

\*Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 4; Selected causes of death, 2; Heart disease, total, 2; All other known causes, 1; and Cause as yet unassigned, 1.



Table X. -- DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1950  
(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages--all causes	* 3,758	198	258	311	33	93	322	1,084	1,914	1,142
SELECTED CAUSES OF DEATH	3,587	194	250	292	31	85	298	1,032	1,849	1,094
Diseases of infancy, total	204	184	200	204	--	--	--	--	--	57
Premature birth	108	107	108	108	xxx	xxx	xxx	xxx	xxx	27
Maternal causes, total	8	xxx	xxx	xxx	--	3	5	--	xxx	3
Puerperal septicemia	1	xxx	xxx	xxx	--	1	--	--	xxx	--
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Communicable diseases, total	218	6	25	37	4	7	41	69	60	56
Acute respiratory diseases, total	92	6	22	30	2	1	8	15	36	35
Influenza	5	--	--	--	--	1	--	1	3	--
Pneumonia	87	6	22	30	2	--	8	14	33	35
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery--all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis--infectious	1	--	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis--meningococcus	3	--	1	2	--	--	1	--	--	--
Pertussis (whooping cough)	2	--	2	2	--	--	--	--	--	1
Poliomyelitis	5	--	--	1	1	1	2	--	--	3
Rheumatic fever	2	--	--	--	1	--	--	1	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	31	--	--	--	--	--	4	18	9	6
Tuberculosis--all forms	79	--	--	1	--	5	26	33	14	10
Pulmonary tuberculosis	74	--	--	--	--	5	24	32	13	9
Other communicable diseases	3	--	--	1	--	--	--	1	1	1
Accidents--all forms, total	332	3	14	31	18	50	70	69	94	109
Motor vehicle	139	--	2	7	5	37	33	35	22	49
Home	108	2	11	21	7	5	11	10	54	36
Occupational	27	xxx	xxx	xxx	xxx	--	13	11	3	7
Public	58	1	1	3	6	8	13	13	15	17
Arteriosclerosis	63	xxx	xxx	xxx	xxx	--	--	4	59	26
Cancer	541	--	1	3	--	2	45	218	273	169
Diabetes	129	--	--	--	1	5	5	45	73	43
Diseases of digestive system, total	177	1	9	13	3	3	22	71	65	66
Appendicitis	8	--	--	1	1	--	--	4	2	3
Cirrhosis of the liver	67	--	--	--	1	1	11	31	23	25
Diarrhea and enteritis	13	--	6	8	1	--	--	1	3	4
Hernia and intestinal obstruction	23	--	1	1	--	--	--	7	15	8
Ulcers of stomach or duodenum	34	--	--	--	--	--	5	19	10	15
Goiter--exophthalmic	3	--	--	--	--	--	--	1	2	--
Heart disease, total	1,279	--	1	1	2	3	60	366	847	365
Coronary	331	--	--	--	--	--	23	139	169	84
Chronic rheumatic	51	--	--	--	2	--	13	20	16	14
Homicide	20	--	--	1	--	5	11	3	--	3
Intracranial lesions of vascular origin	354	--	--	2	2	1	11	98	240	110
Nephritis	193	--	--	--	1	4	14	66	108	57
Prostatic disease	14	--	--	--	--	--	--	2	12	3
Suicide	52	xxx	xxx	xxx	xxx	2	14	20	16	27
ALL OTHER KNOWN CAUSES	162	2	6	17	2	6	24	51	62	46
CAUSE AS YET UNASSIGNED	* 9	2	2	2	--	2	--	1	3	2

\*Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 1; and Cause as yet unassigned, 1

Table XI. -- DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1950

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,492	266	402	464	74	129	441	1,672	4,712	4,542
SELECTED CAUSES OF DEATH	7,090	262	380	432	59	114	399	1,575	4,511	4,304
Diseases of infancy, total	291	246	277	285	2	--	2	2	--	187
Premature birth	124	123	124	124	xxx	xxx	xxx	xxx	xxx	78
Maternal causes, total	11	xxx	xxx	xxx	--	--	11	--	xxx	7
Puerperal septicemia	3	xxx	xxx	xxx	--	--	3	--	xxx	3
Puerperal toxemia	3	xxx	xxx	xxx	--	--	3	--	xxx	2
Communicable diseases, total	451	7	55	70	9	13	42	95	222	281
Acute respiratory diseases, total	221	6	49	57	1	--	7	20	136	139
Influenza	24	1	4	6	--	--	--	--	16	12
Pneumonia	197	5	45	51	1	--	7	20	118	127
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	--	1	--
Encephalitis—infectious	2	--	--	--	--	1	--	--	1	2
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	5	--	--	2	--	1	--	1	1	4
Pertussis (whooping cough)	7	--	3	5	2	--	--	--	--	5
Poliomyelitis	5	--	--	--	3	2	--	--	--	3
Rheumatic fever	2	--	--	--	1	--	1	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	54	1	2	2	--	3	6	22	21	27
Tuberculosis—all forms	141	--	1	3	1	6	25	48	58	90
Pulmonary tuberculosis	132	--	--	1	--	5	24	45	57	82
Other communicable diseases	13	--	--	1	1	--	3	4	4	10
Accidents—all forms, total	569	1	14	33	37	71	128	106	214	340
Motor vehicle	204	1	1	6	17	47	61	36	37	123
Home	173	--	9	21	10	--	12	14	116	96
Occupational	74	xxx	xxx	xxx	--	8	33	32	1	45
Public	138	--	4	0	10	16	22	24	60	76
Arteriosclerosis	228	xxx	xxx	xxx	--	--	--	17	211	132
Cancer	1,009	--	2	3	4	12	53	328	609	592
Diabetes	210	--	--	2	--	--	6	56	146	115
Diseases of digestive system, total	293	4	26	33	3	1	21	94	141	183
Appendicitis	25	--	--	3	1	1	2	13	5	16
Cirrhosis of the liver	54	--	--	--	1	--	2	20	31	29
Diarrhea and enteritis	34	4	20	22	--	--	1	4	7	19
Hernia and intestinal obstruction	46	--	1	1	--	--	9	9	27	30
Ulcers of stomach or duodenum	57	--	--	--	--	--	4	24	29	42
Goiter—exophthalmic	11	--	--	--	--	--	1	5	5	6
Heart disease, total	2,653	2	4	4	1	6	87	586	1,969	1,588
Coronary	876	--	--	--	--	1	40	283	552	511
Chronic rheumatic	143	--	--	--	--	2	21	37	83	90
Homicide	22	--	--	--	1	2	10	6	3	10
Intracranial lesions of vascular origin	794	2	2	2	1	2	9	153	627	513
Nephritis	413	--	--	--	1	6	15	100	291	268
Prostatic disease	47	--	--	--	--	--	--	4	43	37
Suicide	68	xxx	xxx	xxx	--	1	14	23	30	45
ALL OTHER KNOWN CAUSES	384	3	20	29	15	15	36	90	199	224
CAUSE AS YET UNASSIGNED	18	1	2	3	--	--	6	7	2	14



Table 6. -- NUMBERS AND RATES FOR LEADING CAUSES OF DEATH, ALL AGES, AND SELECTED AGE GROUPS: ILLINOIS, 1949 AND 1950

(Based on resident deaths. Rates are per 100,000 population)

Age - Cause	1950				1949				1950				1949			
	Rank	Number	Percent of total	Rate	Rank	Number	Percent of total	Rate	Rank	Number	Percent of total	Rate	Rank	Number	Percent of total	Rate
ALL AGES, TOTAL		92,215	100.0	† 1056.1		92,521	100.0	† 1086.9		7,043	100.0	† 256.1		7,336	100.0	† 274.5
Heart disease	1	35,281	38.3	404.0	1	35,173	38.1	413.2		1,659	23.6	60.3	1	1,646	22.5	61.6
Cancer	2	14,423	15.6	165.2	2	14,137	15.3	166.1		1,066	15.1	38.8	2	1,024	14.0	38.3
Vascular lesions of the central nervous system	3	7,643	8.3	87.5	3	7,260	7.8	85.3		1,004	14.3	36.5	3	1,082	14.7	40.5
Accidents	4	5,390	5.8	61.7	4	5,442	5.9	63.9		644	9.1	23.4	4	751	10.2	28.1
Nephritis	5	4,715	5.1	54.0	5	4,900	5.3	57.6		326	4.6	11.9	5	304	4.1	11.4
Diseases of infancy	6	3,936	4.3	45.1	6	4,113	4.4	48.3		2,344	33.3	85.2		2,529	34.5	94.6
Diabetes	7	3,140	3.4	36.0	7	2,915	3.2	34.2								
Acute respiratory disease	8	2,653	2.9	30.4	8	2,889	3.1	33.9		27,921	100.0	† 1423.6		28,156	100.0	† 1470.3
Tuberculosis	9	2,215	2.4	25.4	9	2,518	2.7	29.6		10,996	39.4	560.7	1	11,008	39.0	574.9
Arteriosclerosis	10	1,551	1.7	17.8	10	1,523	1.6	17.9		5,887	21.1	300.2	2	5,803	20.6	303.0
All other causes		11,266	12.2	129.0		11,651	12.6	136.9								
5 - 14 YEARS, TOTAL		706	100.0	† 57.5		758	100.0	† 63.1								
Accidents	1	265	37.6	21.6	1	264	34.8	22.0								
Cancer	2	44	6.2	3.6	4	46	6.1	3.8								
Polio	3	41	5.8	3.3	2	81	10.7	6.8								
Heart disease	4	40	5.7	3.3	3	47	6.2	3.9								
Acute respiratory disease	5	32	4.5	2.6	5	41	5.4	3.4								
All other causes		284	40.2	23.1		279	36.8	23.2								
15 - 24 YEARS, TOTAL		1,380	100.0	† 117.6		1,458	100.0	† 126.9								
Accidents	1	579	42.0	49.3	1	524	35.9	45.6								
Tuberculosis	2	131	9.5	11.2	2	172	11.8	15.0								
Heart disease	3	106	7.7	9.0	3	131	9.0	11.4								
Cancer	4	65	4.7	5.6	4	70	4.8	6.1								
Suicide	5	60	4.3	5.1	8	42	2.9	3.6								
Polio	6	25	1.8	2.1	5	63	4.3	5.5								
All other causes		414	30.0	35.3		456	31.3	39.7								

† All rates in this group are crude rates.

‡ All rates in this group are age specific rates.

Table 7. -- CRUDE AND STANDARDIZED MORTALITY RATES FOR SELECTED CAUSES OF DEATH, ILLINOIS RESIDENTS: 1940 AND 1949

Selected Cause	Int. List No. 5th Revision	CRUDE*		AGE-ADJUSTED**	
		1949	1940	1949	1940
ENTIRE STATE					
All causes		10.9	11.2	9.2	10.8
Heart disease	90-95	413	351	344	329
Cancer	45-55	166	141	141	131
Intracranial lesions of vascular origin	83	85	86	71	81
Nephritis	130-132	58	92	48	87
Tuberculosis	13-22	30	47	27	44
Pulmonary tuberculosis	13	28	43	25	41
Diabetes	61	34	33	29	31
Accidents (except motor vehicle)	169,171-195	43	45	38	43
Motor vehicle accidents	170	21	29	21	28
Pneumonia	107-109	33	48	28	47
Cirrhosis of the liver	124	15	11	13	10
Arteriosclerosis	97	18	17	14	16
DOWNSTATE					
All causes		10.8	11.3	8.8	10.2
Heart disease	90-95	395	332	315	287
Cancer	45-55	156	135	130	119
Intracranial lesions of vascular origin	83	95	101	75	86
Nephritis	130-132	61	94	48	81
Tuberculosis	13-22	19	34	18	32
Pulmonary tuberculosis	13	18	31	16	30
Diabetes	61	32	30	26	26
Accidents (except motor vehicle)	169,171-195	47	49	40	45
Motor vehicle accidents	170	25	32	25	31
Pneumonia	107-109	31	50	25	46
Cirrhosis of the liver	124	11	9	9	8
Arteriosclerosis	97	24	25	18	21
CHICAGO					
All causes		11.0	10.9	9.6	11.1
Heart disease	90-95	438	376	380	388
Cancer	45-55	180	149	155	149
Intracranial lesions of vascular origin	83	72	66	63	69
Nephritis	130-132	53	90	47	94
Tuberculosis	13-22	44	64	40	60
Pulmonary tuberculosis	13	41	59	36	54
Diabetes	61	38	38	33	39
Accidents (except motor vehicle)	169,171-195	36	39	34	39
Motor vehicle accidents	170	17	24	16	24
Pneumonia	107-109	36	44	32	46
Cirrhosis of the liver	124	20	13	18	13
Arteriosclerosis	97	9	7	8	8

\*Rates per 100,000 estimated mid-year population for selected causes and per 1,000 population for "all causes."

\*\*Adjusted by the direct method using U.S. 1940 population as standard.



Table 8. -- AGE SPECIFIC MORTALITY RATES FOR SELECTED CAUSES OF DEATH,  
ILLINOIS RESIDENTS: 1940 AND 1949

(Per 100,000 population in each age group)

Selected Cause	Int. List No. 5th Revision	Year	Under 5 years	A G E G R O U P							65 years and over
				5-9	10-14	15-24	25-34	35-44	45-64		
Heart disease	90-95	1949	2	3	5	11	26	102	575	3049	
		1940	4	6	11	15	37	105	500	2986	
Cancer	45-55	1949	4	4	3	6	16	68	303	970	
		1940	5	4	2	5	18	65	274	924	
Intracranial lesions of vascular origin	83	1949	3	1	1	1	4	16	104	679	
		1940	2	1	0	1	5	17	114	794	
Nephritis	130-132	1949	2	1	2	5	7	16	64	448	
		1940	2	2	3	6	12	26	109	842	
Tuberculosis	13-22	1949	7	3	1	15	22	35	53	67	
		1940	14	3	6	36	55	64	70	65	
Pulmonary tuberculosis	13	1949	2	1	1	14	21	33	51	63	
		1940	6	1	4	32	51	61	66	60	
Diabetes	61	1949	1	0	1	2	2	5	54	238	
		1940	2	1	2	2	3	8	60	250	
Accidents (except motor vehicle)	169,171-195	1949	30	12	14	17	16	26	43	225	
		1940	36	16	16	19	20	30	54	233	
Motor vehicle accidents	170	1949	8	9	10	29	16	20	25	50	
		1940	14	14	11	28	25	20	38	75	
Pneumonia	107-109	1949	75	4	3	3	4	12	31	178	
		1940	133	7	4	7	12	22	57	258	
Cirrhosis of the liver	124	1949	2	-0-	0	0	3	13	32	55	
		1940	0	0	1	0	2	10	24	53	
Arteriosclerosis	97	1949	-0-	-0-	-0-	-0-	-0-	0	8	187	
		1940	-0-	-0-	-0-	-0-	0	0	9	212	

-0- No frequency.

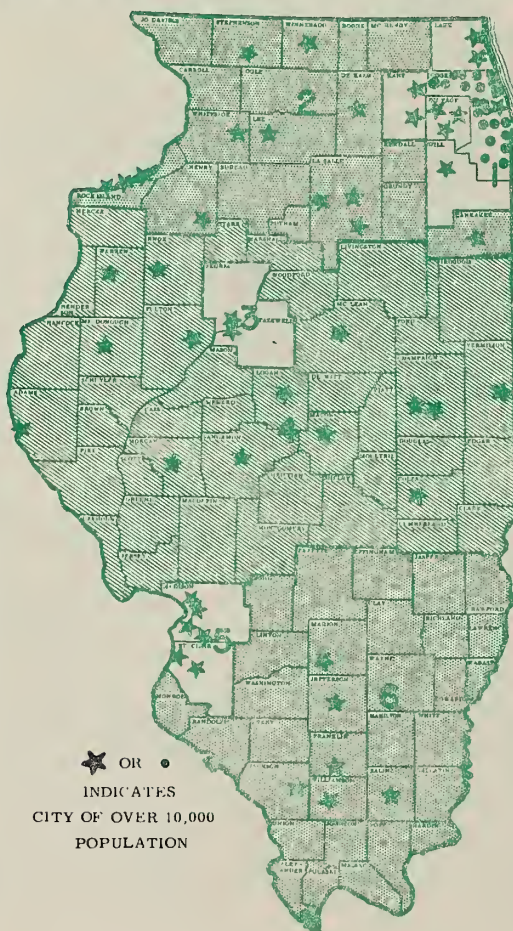
# THE SIX MAJOR REGIONS OF ILLINOIS

## POPULATION - 1950 CENSUS

STATE OF ILLINOIS 8,712,176

### REGION 1 - CHICAGO METROPOLITAN

<b>REGION TOTAL</b>	<b>5,127,212</b>
Cook County	4,508,792
Berwyn	51,176
Blue Island	17,580
Brookfield	15,484
Calumet City	15,777
Chicago	3,606,436
Chicago Heights	24,369
Cicero	67,195
Des Plaines	14,975
Elmwood Park	18,771
Everston	73,030
Evergreen Park	10,515
Forest Park	14,946
Harvey	20,636
La Grange	11,950
Maywood	27,409
Melrose Park	13,109
Oak Park	63,175
Park Ridge	16,543
River Forest	11,067
Skokie	14,821
Wilmette	18,184
Winnetka	12,545
Du Page County	154,599
Downers Grove	11,868
Elmhurst	21,204
Wheaton	11,574
Kane County	150,388
Aurora	50,508
Elgin	43,534
Lake County	179,097
Highland Park	16,767
Waukegan	39,099
Will County	134,336
Joliet	52,460



★ OR •  
INDICATES  
CITY OF OVER 10,000  
POPULATION

### REGION 2 - NORTHERN

<b>REGION TOTAL</b>	<b>890,111</b>
Boone County	17,070
Bureau County	37,711
Carroll County	18,976
De Kalb County	40,781
De Kalb City	11,567
Grundy County	19,217
Henry County	46,492
Kewanee	16,770
Jo Daviess County	21,459
Kankakee County	73,524
Kankakee City	25,873
Kendall County	12,115
La Salle County	100,610
La Salle City	12,023
Ottawa	16,951
Streator	16,442
Lee County	36,451
Dixon	11,532
Mc Henry County	50,656
Ogle County	33,429
Putnam County	4,746
Rock Island County	133,558
East Moline	13,896
Moline	37,296
Rock Island City	48,594
Stephenson County	41,595
Freeport	22,425
Whiteside County	49,336
Winning	12,761
Winnebago County	152,385
Rockford	92,503

### REGION 3 - PEORIA METROPOLITAN

<b>REGION TOTAL</b>	<b>250,512</b>
Peoria County	174,347
Peoria City	111,523
Tazewell County	76,165
Pekin	21,912

### REGION 4 - CENTRAL

<b>REGION TOTAL</b>	<b>1,379,478</b>
Adams County	64,690
Quincy	41,402
Brown County	7,132
Calhoun County	6,898
Cass County	15,097
Champaign County	106,100
Champaign City	39,397
Urbana	22,995
Christian County	38,816
Clark County	17,362
Coles County	40,328
Mattoon	17,993
Cumberland County	10,496
De Witt County	16,894
Douglas County	16,706
Edgar County	23,407
Ford County	15,901
Fulton County	43,716
Canton	11,910
Greene County	18,852
Hancock County	25,790
Henderson County	8,416
Iroquois County	32,348
Jersey County	15,264
Knox County	54,366
Galesburg	31,357
Livingston County	37,809
Logan County	30,671
Lincoln	14,344

Mc Donough County	28,198
Macomb	10,586
Mc Lean County	76,577
Bloomington	34,048
Macon County	98,853
Decatur	67,801
Macoupin County	44,210
Marshall County	13,025
Mason County	15,326
Menard County	9,635
Mercer County	17,374
Montgomery County	32,460
Morgan County	35,568
Jacksonville	20,374
Moultrie County	13,171
Piatt County	13,970
Pike County	22,155
Sangamon County	131,484
Springfield	80,832
Schuyler County	9,613
Scott County	7,245
Shelby County	24,434
Stark County	8,721
Vermilion County	87,078
Danville	37,892
Warren County	21,981
Monmouth	10,190
Woodford County	21,335

### REGION 5 - E. ST. LOUIS METROPOLITAN

<b>REGION TOTAL</b>	<b>388,302</b>
Madison County	182,307
Alton	32,176
Collinsville	11,907
Granite City	29,139
Wood River	10,217
St. Clair County	205,995
Belleville	32,701
E. St. Louis	81,950

### REGION 6 - SOUTHERN

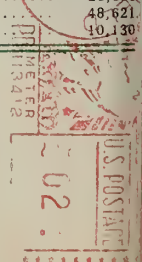
<b>REGION TOTAL</b>	<b>676,561</b>
Alexander County	20,316
Cairo	12,217
Bond County	14,157
Clay County	17,445
Clinton County	22,594
Crawford County	21,137
Edwards County	9,056
Effingham County	21,675
Fayette County	24,582
Franklin County	48,685
W. Frankfort	11,251
Gallatin County	9,818
Hamilton County	12,256
Hardin County	7,530
Jackson County	38,124
Carbondale	10,911
Jasper County	12,266
Jefferson County	35,892
Mt. Vernon	15,563
Johnson County	8,729
Lawrence County	20,539
Marion County	41,700
Centrallia	13,814
Massac County	13,594
Monroe County	13,262
Perry County	21,684
Pope County	5,779
Pulaski County	13,639
Randolph County	31,673
Richland County	16,889
Saline County	33,420
Harrisburg	40,994
Union County	20,500
Wabash County	14,651
Washington County	14,460
Wayne County	20,933
White County	20,935
Williamson County	48,621
Marion	10,130

*Health Statistics*  
**BULLETIN**

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
SPRINGFIELD, ILLINOIS

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# Health Statistics

## BULLETIN

### BUREAU OF STATISTICS

1951 Series, Nos. 1 - 4

Springfield, Illinois

September 1, 1952

## RECORD NUMBER OF BIRTHS IN 1951

A record number of babies were born to Illinois residents during 1951. The provisional total of 200,581 live births exceeded the previous high established in 1947 by 5,253, although the birth rate of 24.2 per thousand population set in 1947 was not equalled. Since 1946 the live birth rate has been greater than 22 per thousand each year except 1950, when it dropped slightly to 21.7. The 1951 rate of 22.6 is second only to the 1947 record rate. The effect of the high birth rates in recent years is better appreciated when we realize that in the six years, 1946-1951, there were 1,133,429 babies born to Illinois parents. These children now constitute about one eighth of our population.

The figure of 197,923 births recorded as occurring in Illinois is 2,658 less than the number of babies born to Illinois parents during the year. This sizeable difference arises from the fact that many Illinois mothers living near the border of the State use the nearby hospital facilities in Indiana, Iowa, and Missouri. The trend in births recorded in Illinois since 1940 is shown in Chart A.

The record number of live births in 1951 was accompanied by further small reductions in maternal and infant mortality rates. Table 1 shows the 1951 provisional rates as compared to 1950, a year with an excellent mortality experience, and with 1940 the prior census year.

The small improvement in infant and maternal mortality indicated for 1951 over 1950 takes on significance because the mortality rates from maternal and infant causes in recent years have been so low that any additional reduction becomes exceptionally difficult. Health agencies and the medical profession are continuing to

wage a successful campaign to save the lives of mothers and infants, and every baby saved may look forward to the greater probability of reaching a ripe old age before falling prey to a fatal disease. The lengthening of life is resulting in a great number of people over 65 years of age, so it is increasingly important to bolster the size of the labor force by further reduction of mortality and disability in the young people. For the next decade there will be fewer in the age span 20 to 30 years of age than there have been for a long time while the number of younger and older people will be greater than ever.

The leading causes of death in 1951, are the same as those that claimed the most lives in 1950, and with a few exceptions little change in the rates is noticeable.

Tuberculosis mortality reached an all time low of 21.3 per 100,000 in 1951, a 16 per cent decrease from the 1950 figure and a 54 per cent decrease from the 1940 rate of 46.7. The reduced tuberculosis mortality is the reward of many years of anti-tuberculosis effort recently intensified both in case finding and in treatment. The mobile x-ray surveys have led to the finding of tuberculosis in its early stages oftener. Effective treatment of early tuberculosis is saving the lives of these patients and at the same time preventing them from giving their infection to others. The success of the anti-tuberculosis work as recorded in the lowering of mortality offers real hope that in another decade tuberculosis will no longer be among the ten leading causes of death.

The cardio-vascular-renal group of diseases caused about the same mortality in 1951 as in 1950. Crude death rates for arteriosclerosis, heart disease, and intracranial lesions of vascular origin increased while the rate for nephritis dropped, continuing a trend observed over the past few years. Again the increases in the crude rates for heart disease, and arteriosclerosis were no more, if as much, than was to be expected in an ever increasing population in the older age groups. A similar situation

Table 1. -- INFANT, MATERNAL, AND FETAL MORTALITY RATES:  
ILLINOIS RESIDENTS, 1951, 1950, AND 1940

	(Rates per 1,000 live births)					
	1951*		1950		1940	
	No.	Rate	No.	Rate	No.	Rate
Maternal causes	123	0.6	129	0.7	359	2.9
Premature birth	1,777	8.9	1,713	9.0	1,514	12.1
Neonatal deaths	3,776	18.8	3,580	18.9	2,978	23.9
Infant deaths	5,016	25.0	4,855	25.6	4,355	34.9
Stillbirths	3,204	16.0	3,116	16.4	3,158	25.3

\*1951 figures are provisional.

## STATE OF ILLINOIS

ADLAI E. STEVENSON  
GOVERNOR

## DEPARTMENT OF PUBLIC HEALTH

ROLAND R. CROSS, M.D.  
DIRECTOR*Health Statistics*  
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exists for cancer whose rate in 1951 was only a little higher than the 1950 rate.

Mortality was slightly higher for fatal accidents and for diabetes in 1951, while all other principal causes of death were generally lower, with the exception of diseases peculiar to early

infancy. These latter were more numerous as a result of the greater number of babies and children, not because the diseases pose any additional threat.

Influenza and pneumonia rates were slightly lower, bearing witness to the efficacy of treatment and the absence of an epidemic. Deaths from all other communicable diseases also fell off, and as a whole were about eight percent fewer in 1951 than in 1950. Not a single resident of Illinois died from paratyphoid fever, rabies, smallpox, tularemia, or undulant fever during the year. This is the fourth consecutive year in which not one case of smallpox was reported and the thirteenth consecutive year in which no smallpox death occurred. However, the one death from diphtheria, and the four from typhoid fever in 1951 constitute a reproach because of their complete preventability. Chickenpox, malaria, Rocky Mountain spotted fever, and scarlet fever each caused one death while mumps caused two deaths in 1951.

In order that the changes in the force of mortality may be more clearly seen, Table 3 shows the leading causes of death in 1951 for

Table 2. -- NUMBER OF RESIDENT DEATHS AND MORTALITY RATES FOR PRINCIPAL CAUSES: ILLINOIS, 1950 AND 1951

Cause Group	Int. List No. 5th Rev.	Number		Rate*	
		1951**	1950	1951**	1950
All causes		93,017	92,260	10.5	10.6
Heart disease	90-95	35,970	35,311	405.7	404.4
Cancer	45-55	14,754	14,430	166.4	165.3
Intracranial lesions of vascular origin	83	8,000	7,648	90.2	87.6
Motor vehicle accidents	170	1,994	2,050	22.5	23.5
Other accidents	169, 171-195	3,647	3,364	41.1	38.5
Nephritis	130-132	4,439	4,720	50.1	54.1
Diseases of infancy	157-161	4,140	3,950	46.7	45.2
Diabetes mellitus	61	3,200	3,140	36.1	36.0
Pneumonia and influenza	33, 107-109	2,654	2,657	29.9	30.4
Tuberculosis, all forms	13-22	1,890	2,221	21.3	25.4
Arteriosclerosis	97	1,626	1,552	18.3	17.8
Cirrhosis of the liver	124	1,292	1,333	14.6	15.3
All other causes	Residual	9,411	9,884	106.1	113.2

\*Rates are per 1,000 mid year estimated population for All Causes and per 100,000 for selected cause groups.  
\*\*1951 figures are provisional.



six broad age groups together with their age specific rates as compared to 1940. The comparison of the specific rates shows up which diseases have been successfully controlled and which diseases present the greatest challenge.

For children under five years of age, the leading causes of death for 1951 rank virtually the same as in 1940. However, the mortality rate for each disease, except cancer, shows marked improvement. The 1951 specific rate for all causes is 32 per cent lower than 1940, with the greatest gains being made among the communicable diseases. Tuberculosis is 55 per cent lower, acute respiratory diseases are 49 per cent lower, and all other communicable diseases are 70 per cent lower. Deaths from diarrhea and enteritis are down 53 per cent and mortality due to heart disease shows a 42 per cent reduction among these young children.

The group aged 5-14 years has had remarkable reduction in mortality except for deaths caused by poliomyelitis, cancer, and diseases of infancy. The group as a whole has experienced a 47 per cent decrease in the risk of death. The greatest gain was against the diseases of the digestive system group (83 per cent). In 1940, there were 107 deaths from appendicitis, while only 10 such deaths were re-

ported in 1951. The communicable diseases (exclusive of polio, respiratory diseases, and tuberculosis) are down 79 per cent, tuberculosis deaths are reduced 74 per cent, and the acute respiratory diseases are 48 per cent less. Deaths due to heart disease have decreased by 78 per cent, and fatal accidents, the most frequent cause of death in this group of children, are down 31 per cent.

In the group aged 15-24 years, accidents, cancer, and homicide have increased, although the rate for all causes shows a substantial decrease of 37 per cent. The greatest reductions are shown in the communicable diseases: tuberculosis, 79 per cent; acute respiratory diseases, 67 per cent; and all other communicable, 43 per cent. Maternal mortality is 58 per cent less than that experienced in 1940.

The young adult age group (25-44 years) shows much the same pattern of life saving as indicated in the younger groups. Only cirrhosis of the liver and homicide have increased. Tuberculosis shows the greatest improvement with a 68 per cent decrease. The specific rate for all causes is 37 per cent below that of 1940.

Persons aged 45-64 years have not reaped the health benefits offered younger people. The specific rate for this group is down only 12 per

## CHART A

### ILLINOIS BIRTH REGISTRATIONS, 1940-1951

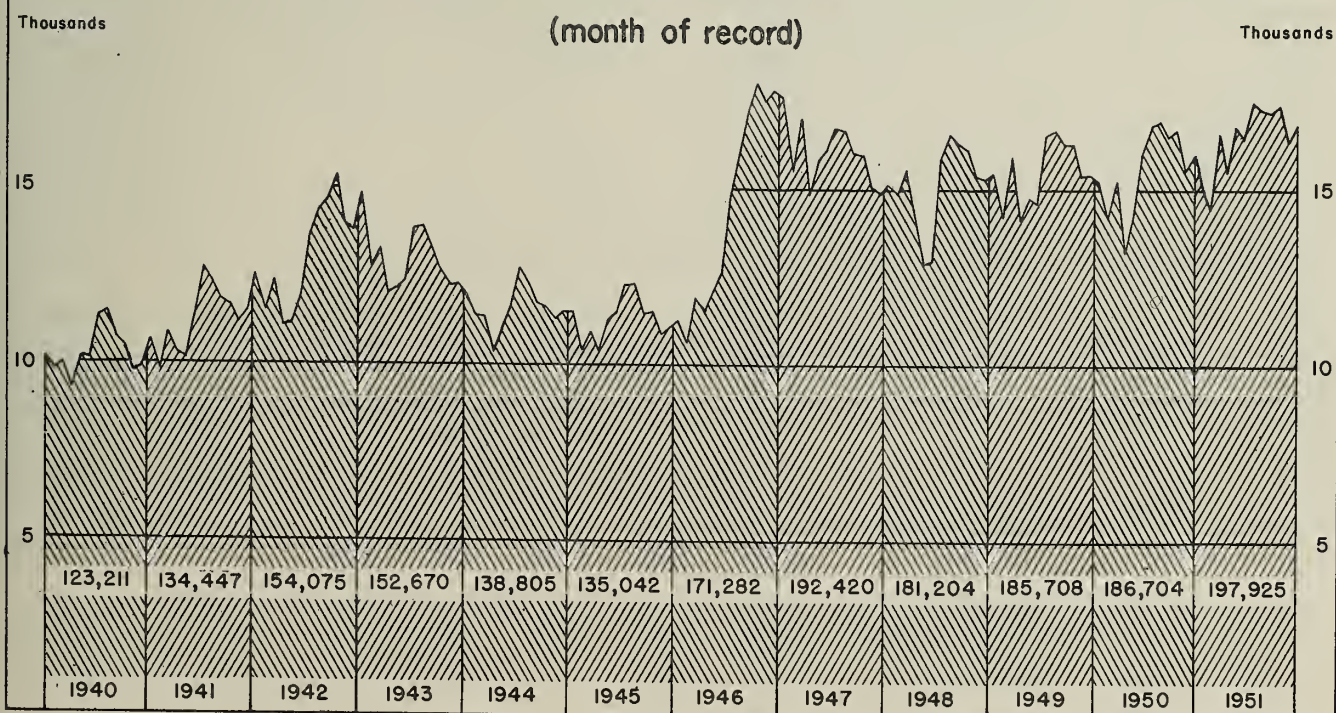


Table 3. -- NUMBER OF DEATHS FROM MOST FREQUENT CAUSES AND AGE SPECIFIC RATES FOR SIX AGE GROUPS, 1951,  
AND COMPARATIVE NUMBERS AND RATES FOR SAME DISEASES IN 1940

(Rates per 100,000 population in each age group)

Age and Cause of Death	International List Number 5th Revision	Number of Deaths		Age Specific Rate		Age and Cause of Death	International List Number 5th Revision	Number of Deaths		Age Specific Rate	
		1951*	1940	1951*	1940			1951*	1940	1951*	1940
UNDER 5 YEARS OF AGE						25-44 YEARS OF AGE					
All causes		5,849	5,340	666.4	976.3	All causes		6,880	9,843	247.1	390.7
Diseases of infancy, except premature birth	157-158, 160-161	2,230	1,547	254.1	282.8	Heart disease	90-95	1,522	1,752	54.7	69.5
Premature birth	159	1,777	1,514	202.5	276.8	All accidents	169-195	1,165	1,202	41.8	47.7
Pneumonia, and influenza	33, 107-109	673	824	76.7	150.7	Cancer	45-55	1,057	1,006	38.0	39.9
All accidents	169-195	343	271	39.1	49.5	Tuberculosis, all forms	13-22	533	1,492	19.1	59.2
Diarrhea and enteritis	119	149	199	17.0	36.4	Nephritis	130-132	293	470	10.5	18.7
Communicable diseases, except tbc., pneumonia, and influenza	1-12, 23-32, 34-44	104	215	11.8	39.3	Communicable diseases, except tuberculosis	1-12, 23-44	289	404	10.4	16.0
Tuberculosis, all forms	13-22	57	79	6.5	14.4	Suicide	163-164	242	385	8.7	15.3
Cancer	45-55	53	28	6.0	5.1	Intracranial lesions of vascular origin	83	238	270	8.5	10.7
Heart disease	90-95	19	21	2.2	3.8	Cirrhosis of the liver	124	220	140	7.9	5.6
Intracranial lesions of vascular origin	83	17	12	1.9	2.2	Homicide	165-168	200	197	7.2	7.8
All other causes	RESIDUAL	427	630	48.6	115.2	All other causes	RESIDUAL	1,121	2,525	40.3	100.2
5-14 YEARS OF AGE						45-64 YEARS OF AGE					
All causes		689	1,212	55.1	104.4	All causes		27,548	27,353	1381.0	1571.1
All accidents	169-195	250	534	20.0	28.8	Heart disease	90-95	11,009	8,713	551.9	500.5
Cancer	45-55	48	38	3.8	3.3	Cancer	45-55	5,931	4,758	297.3	273.3
Pneumonia, and influenza	33, 107-109	46	82	3.7	7.1	Intracranial lesions of vascular origin	83	2,066	1,976	103.6	113.5
Poliomyelitis	36	40	22	3.2	1.9	All accidents	169-195	1,235	1,603	61.9	92.1
Diseases of infancy	157-158,160-161	38	13	3.0	1.1	Nephritis	130-132	1,140	1,898	57.1	109.0
Diseases of digestive system	115-129	32	176	2.6	15.2	Diabetes	61	1,116	1,036	55.9	59.5
Communicable diseases, except polio, tbc., pneumonia and influenza	1-12,23-32, 34-35,37-44	26	116	2.1	10.0	Tuberculosis, all forms	13-22	749	1,223	37.5	70.2
Heart disease	90-95	25	104	2.0	9.0	Cirrhosis of the liver	124	656	418	32.9	24.0
Nephritis	130-132	25	30	2.0	2.6	Pneumonia, and influenza	33, 107-109	513	1,155	25.7	66.3
Tuberculosis, all forms	13-22	14	49	1.1	4.2	Communicable diseases, except tbc., pneumonia, and influenza	1-12,23-32, 34-44	321	689	16.1	39.6
All other causes	RESIDUAL	145	248	11.6	21.4	All other causes	RESIDUAL	2,812	3,884	141.0	223.1
15-24 YEARS OF AGE						OVER 64 YEARS					
All causes		1,309	2,439	109.4	179.3	All causes		50,732	42,093	6653.6	7411.3
All accidents	169-195	567	632	47.4	46.4	Heart disease	90-95	23,300	16,928	3055.9	2980.5
Heart disease	90-95	94	205	7.9	15.1	Cancer	45-55	7,586	5,240	994.9	922.6
Tuberculosis, all forms	13-22	90	483	7.5	35.5	Intracranial lesions of vascular origin	83	5,655	4,504	741.7	793.0
Cancer	45-55	79	72	6.6	5.3	Nephritis	130-132	2,919	4,777	382.8	841.1
Homicide	165-168	62	42	5.2	3.1	All accidents	169-195	2,077	1,746	272.4	307.4
Nephritis	130-132	50	76	4.2	5.6	Diabetes	61	1,933	1,415	253.5	249.1
Communicable diseases, except tbc., pneumonia, and influenza	1-12,23-32, 34-44	41	82	3.4	6.0	Arteriosclerosis	97	1,527	1,204	200.3	212.0
Suicide	163-164	40	86	3.3	6.3	Pneumonia, and influenza	33, 107-109	1,201	1,751	157.5	308.3
Maternal causes	140-150	34	91	2.8	6.7	Tuberculosis, all forms	13-22	447	367	58.6	64.6
Pneumonia, and influenza	33, 107-109	33	116	2.8	8.5	Cirrhosis of the liver	124	409	298	53.6	52.5
All other causes	RESIDUAL	219	554	18.3	40.7	All other causes	RESIDUAL	3,678	3,863	482.4	680.1



cent from 1940. While substantial gains have been achieved in the control of communicable diseases and nephritis, the degenerative diseases, such as heart, cancer, and cirrhosis of the liver, all are on the increase.

The older age group (65 years and over) shows the least improvement in life saving with the age specific rate for all causes down only 10 per cent. While nephritis and acute respiratory diseases claim fewer lives, rates for all other causes are almost identical with the 1940 rates.

Some very significant conclusions may be drawn from the data presented in Table 3 by following specific cause groups through all six age groups. Deaths from tuberculosis appear in all age groups as a leading cause of death; however, for persons under 45, the risk of death from this disease has been reduced 70 per cent, and the age group 45-64 has experienced a 47 per cent reduction, but for persons over 65 years the rate has decreased only 9 per cent.

The communicable diseases other than tuberculosis have been greatly reduced in all age groups. Only poliomyelitis in the group aged 5-14 shows any increase over 1940. Even the older age groups have received great benefit from the control of the infectious diseases.

Malignant neoplasms claim more lives in every age group, except for persons aged 25-44 which had a small decrease over 1940. Although heart disease is still the leading killer, the age

specific rates in Table 3 indicate that cancer is on the increase at all ages, while the risk of heart disease has increased only for persons 45 years and over.

### REGIONAL MORTALITY

The population of Illinois is distributed among the six major regions as follows: Region I, 59 per cent; Region II, 10 per cent; Region III, 3 per cent; Region IV, 16 per cent; Region V, 4 per cent; and Region VI, 8 per cent. The heavy concentration of population in Region I affects the State mortality rate to a greater degree than the combined force of mortality in the other five regions.

While there is little variance among the crude rates for mortality from all causes, certain selected causes of death exhibit marked differences among the regions.

The crude rate for deaths due to tuberculosis covers a very wide range; Regions II, III, and IV have low rates (10, 11, and 13 per 100,000 population), while the Region V rate is 19 per 100,000; Region VI, 21 per 100,000; and 26 per 100,000 in Region I. The areas with high tuberculosis death rates are those where there are large groups of people living under adverse socio-economic circumstances. Disparity of rates among the regions for other selected causes of death is associated with factors other than socio-economic. The number of deaths

Table 4. -- CRUDE MORTALITY RATES FOR SELECTED CAUSES OF DEATH AMONG RESIDENTS OF THE SIX MAJOR REGIONS OF ILLINOIS, 1951

(Rates are provisional and per 100,000 population)

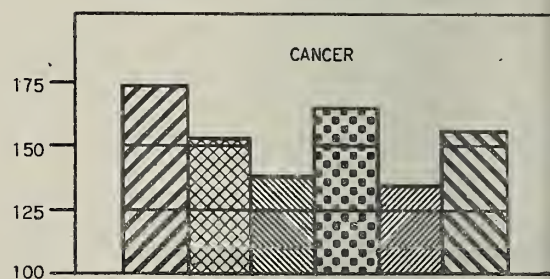
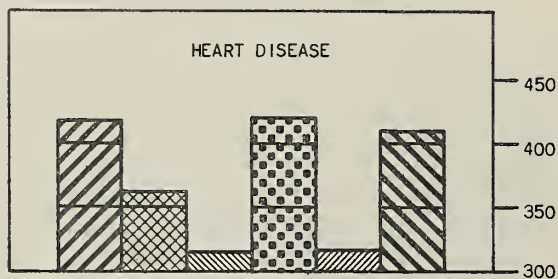
Causes	State Rate	R E G I O N					
		I	II	III	IV	V	VI
All causes	1049	1039	1008	892	1113	952	1163
Heart disease	406	419	363	315	422	318	412
Cancer	166	174	153	138	166	136	156
Intracranial lesions of vascular origin	90	77	102	71	114	93	130
Motor vehicle accidents	22	19	25	17	30	34	29
Other accidents	41	33	47	39	49	49	73
Nephritis	50	48	48	40	59	46	60
Diseases of infancy	47	47	47	54	43	55	44
Diabetes mellitus	36	37	37	32	36	26	34
Pneumonia and influenza	30	29	28	33	31	33	35
Tuberculosis	21	26	10	11	13	19	21
Cirrhosis of the liver	15	18	10	14	10	12	8

## REGION MORTALITY: ILLINOIS, 1951

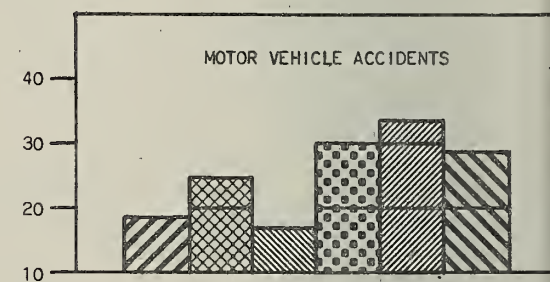
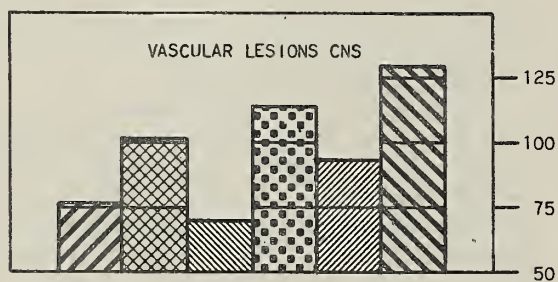
(Rates from Table 4)



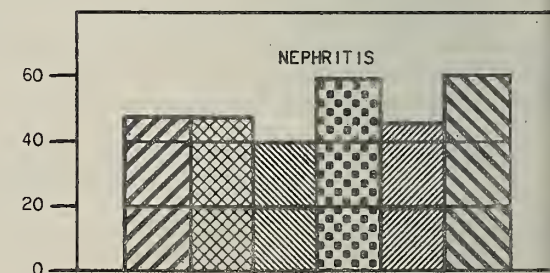
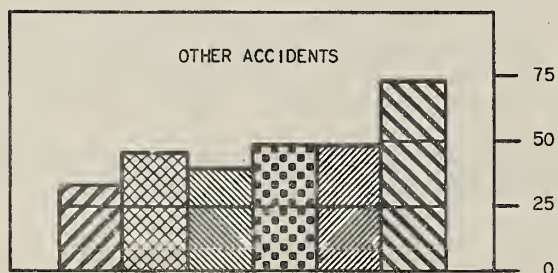
POPULATION



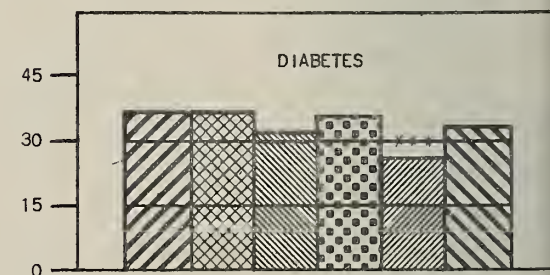
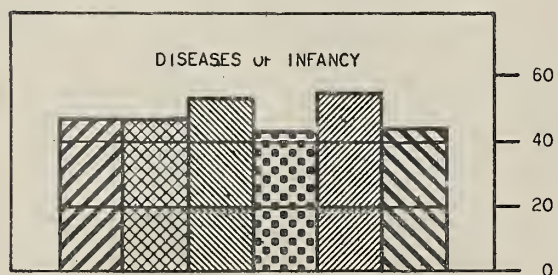
MID-YEAR



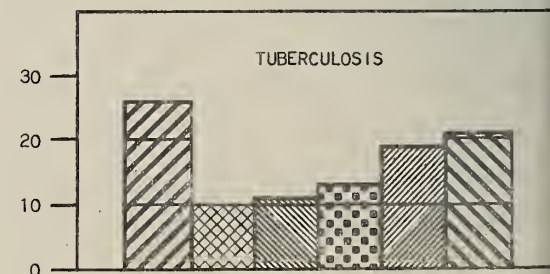
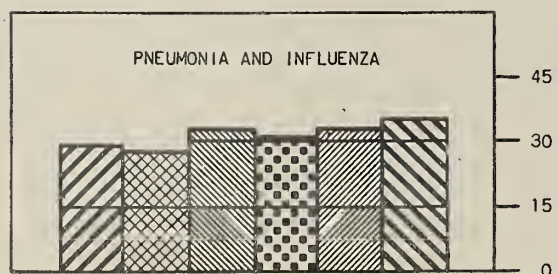
ESTIMATED



PER 100,000



RATE





caused by the degenerative diseases; heart, cancer, arteriosclerosis, nephritis, intracranial lesions, and diabetes are largely influenced by the age composition of the living population, and by the diagnostic and medical services available in the area. Also, there is probably some geographic variation in the way in which cause of death is reported.

The regional rates for selected causes of death are indicated in Table 4.

Region III, the Peoria metropolitan area, is a highly industrialized area and exhibits the lowest rates from the degenerative diseases. Region V, the East St. Louis metropolitan area, which is also a small, highly industrialized area, shows low mortality from the diseases of old age, although not as low as Region III. There is every indication that the living populations in these two regions are predominately composed of persons who are "younger" than the other regions of Illinois. While Region I contains the greatest concentration of industry in the State, it has a lower proportion of its population following industrial occupations and has proportionately more old people.

The high accident rate indicated for Region VI is a direct reflection of the coal mine disaster occurring in West Frankfort in December, 1951, when 119 miners lost their lives in an underground explosion.

## INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH

Although the Sixth Decennial Revision of the classification of causes of deaths was issued in 1948, by the World Health Organization, published figures for deaths in Illinois are still classified under provisions of the Fifth Revision. Deaths occurring in 1949, and subsequent years have been classified and the number tabulated by both the Fifth and Sixth revisions. However, certain causes of death are greatly affected under the new revision and the longtime trend is therefore somewhat meaningless if the shift from the fifth revision to the sixth is made in 1949. At the end of 1952, Illinois will have annual tabulations of causes of death coded according to both revisions for the period 1949-1952. This four year period will

allow a meaningful "splice" to be made for those causes of death which show marked changes in number due to the revised methods of classification rather than actual changes in the risk of death.

Under the provisions of the sixth revision, greater emphasis is put upon the underlying cause of death; i.e., the disease that sets in motion the sequence of events leading to death. Under the fifth revision, the mere mention of a disease such as tuberculosis would automatically allocate the death to tuberculosis; also, any mention of recent pregnancy required that the death be classified as due to a maternal cause.

Specific diseases such as nephritis and diabetes are de-emphasized under the sixth revision classification whereas under the rules of the fifth revision there were a disproportionate number of deaths allocated to these conditions which were actually due to cardiovascular conditions.

Other diseases are quite comparable no matter which method of classification is used, but almost all diseases show some differences. Only the external causes, accidents, suicide, and homicide are 100 per cent comparable, and it is possible for variance to occur due to method of determining the underlying cause.

The greater emphasis attached to the underlying cause of death in the sixth revision classification scheme, makes the study of multiple cause of death reporting more important. Practically all tabulations of mortality are accomplished to determine the number of deaths due to the underlying cause. Such tabulations do not give a complete picture of the morbid conditions present and contributing to death in addition to the underlying cause.

Illinois will be able to cast some light on this problem of multiple causes of death, because as many as five conditions present at the time of death and reported on the certificate are included in the statistical punch card prepared for each death. Studies are under way now, and the successful analysis of those deaths reported as due to more than one disease, may present a clearer picture of the mortality problems facing medical and health workers, and may well be a more sensitive index of progress in the campaign of life saving.

Table I. -- SUMMARY OF BIRTHS AND DEATHS BY SIX MAJOR REGIONS: ILLINOIS, 1951

(Birth and death rates are per 1,000 population. Stillbirth rates are per 1,000 live births)												
	LIVE BIRTHS				STILLBIRTHS				DEATHS			
	Recorded		Resident		Recorded		Resident		Recorded		Resident	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL	197,918	22.3	200,581*	22.6	3,265	16.5	3,204	16.0	91,961	10.4	93,017*	10.5
Region I	118,649	22.7	118,329	22.6	1,974	16.6	1,925	16.3	53,691	10.3	54,336	10.4
Region II	21,007	23.1	21,908	24.1	324	15.4	295	13.5	9,622	10.6	9,163	10.1
Region III	6,989	27.1	6,649	25.8	117	16.7	116	17.4	2,580	10.0	2,301	8.9
Region IV	29,297	21.0	30,395	21.8	444	15.2	470	15.5	14,984	10.8	15,509	11.1
Region V	9,318	23.3	9,995	24.9	162	17.4	159	15.9	3,714	9.3	3,814	9.5
Region VI	12,658	18.8	13,292	19.7	244	19.3	239	18.0	7,370	10.9	7,840	11.6

\*The State totals include 13 live births and 54 deaths for which the specific place of residence within the State was not reported

## BASIC HEALTH STATISTICS: ILLINOIS RESIDENTS, 1940-1951

Table II.-- NUMBER OF BIRTHS, DEATHS, AND REPORTED CASES

(Cases are those reported to Illinois health officers.)

	International list number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
LIVE BIRTHS		124,615	134,739	154,223	153,182	139,781	136,676	174,202	195,328	184,553	189,169	189,628	200,000
DEATHS - ALL CAUSES		88,280	86,000	87,155	91,257	87,632	89,306	89,150	93,507	91,254	92,521	92,260	93,000
MATERNAL AND INFANT DEATHS													
Maternal causes	140 - 150	359	331	296	311	253	249	238	205	146	147	129	129
Neonatal deaths	All causes	2,978	3,184	3,583	3,433	3,081	2,983	4,006	4,250	3,789	3,834	3,580	3,580
Infant deaths	All causes	4,355	4,623	5,128	5,108	4,565	4,340	5,281	5,667	5,112	5,185	4,855	5,112
Premature birth	159	1,514	1,532	1,808	1,697	1,325	1,367	1,984	2,000	1,950	1,890	1,713	1,713
Diarrhea and enteritis (Under 2 yrs.)	119	199	260	232	268	199	211	190	182	170	248	164	164
EXTERNAL CAUSES													
Accidents - all forms	169 - 195	5,788	6,128	5,295	5,125	5,107	5,250	5,598	6,022	5,784	5,442	5,414	5,414
Motor vehicle accidents	170	2,259	2,549	1,641	1,274	1,317	1,505	1,872	2,011	1,948	1,817	2,050	2,050
Homicide	165 - 168	337	362	349	296	305	355	473	421	482	414	409	409
Suicide	163 - 164	1,142	1,046	958	831	759	858	943	949	891	1,007	1,018	1,018
GENERAL CAUSES													
Appendicitis	121	826	718	549	517	519	406	356	313	270	259	242	242
Arteriosclerosis	97	1,372	1,285	1,301	1,523	1,537	1,633	1,546	1,447	1,403	1,523	1,552	1,552
Cancer	45 - 55	11,147	11,387	11,661	11,959	12,328	12,652	12,820	13,500	13,863	14,141	14,430	14,430
Cerebral hemorrhage†	83	6,785	6,626	6,808	7,211	6,799	7,267	7,131	7,538	7,260	7,260	7,648	7,648
Cirrhosis of the liver	124	869	855	910	901	875	897	997	1,163	1,210	1,254	1,333	1,333
Diabetes mellitus	61	2,638	2,307	2,462	2,590	2,621	2,710	2,573	2,786	2,794	2,915	3,140	3,140
Diarrhea and enteritis (2 yrs. & over)	120	226	182	134	139	126	96	95	104	77	94	85	85
Diseases of infancy, total	157 - 161	3,091	3,318	3,728	3,634	3,351	3,217	4,236	4,494	4,123	4,113	3,950	3,950
Goiter	63b	286	253	250	231	222	226	203	179	162	166	157	157
Heart disease	90 - 95	27,723	27,224	29,298	31,481	30,734	31,927	31,673	34,504	34,178	35,173	35,311	35,311
Hernia and intestinal obstruction	122	764	807	801	830	851	754	750	722	666	659	582	582
Nephritis	130 - 132	7,264	6,862	6,572	6,876	6,138	6,153	5,623	5,305	5,135	4,900	4,720	4,720
Prostatic disease	137	609	558	579	636	651	565	590	579	537	497	473	473
Stomach, duodenal ulcers	117	569	657	581	615	614	605	540	616	639	674	689	689
COMMUNICABLE DISEASES													
Chickenpox ----- Deaths	38e	3	6	6	3	6	7	6	3	6	5	7	7
Cases		18,053	16,167	13,618	12,648	16,498	10,510	11,717	14,272	15,926	16,294	13,293	15,926
Diphtheria ----- Deaths	10	87	58	63	79	21	15	32	12	9	4	1	1
Cases		936	940	815	587	315	194	469	169	87	50	60	60
Dysentery ----- Deaths	27	48	38	53	30	36	28	25	24	16	24	22	22
Cases†		202	256	453	152	204	324	236	326	502	617	781	781
Encephalitis ----- Deaths	37	27	28	25	29	37	45	23	24	20	21	23	23
Cases		71	110	71	83	78	68	57	60	81	59	50	50
Influenza ----- Deaths	33	645	514	378	650	535	350	242	245	138	78	108	108
Cases		1,124	1,402	608	2,096	1,439	1,018	345	1,125	172	311	422	422
Malaria ----- Deaths	28	18	8	15	10	4	8	13	6	6	5	4	4
Cases		199	127	92	122	23	6	37	11	8	3	4	4
Measles ----- Deaths	35	16	88	36	53	84	10	50	8	83	7	8	8
Cases		8,669	57,075	10,060	29,694	19,451	7,930	25,995	8,341	41,901	5,820	19,233	19,233
Meningitis (Meningococcus)	6	14	16	30	161	194	134	75	46	54	53	49	49
Cases		50	69	90	793	996	611	363	204	214	200	223	223
Mumps ----- Deaths	44c	4	2	6	3	4	2	1	--	2	1	2	2
Cases		6,409	13,063	7,388	7,108	6,268	7,205	5,290	6,492	11,749	8,542	6,978	6,978
Paratyphoid ----- Deaths	2	3	2	--	1	2	1	1	1	3	--	--	--
Cases		19	14	11	13	9	10	6	10	6	2	3	3
Pneumonia, all forms ----- Deaths	107 - 109	3,775	3,236	3,203	3,209	2,772	2,931	2,836	3,076	2,622	2,812	2,549	2,549
Cases		14,592	12,420	11,359	11,419	8,567	6,813	6,287	4,754	5,070	4,966	3,859	3,859
Poliomyelitis ----- Deaths	36	54	22	35	156	38	104	182	28	68	246	130	130
Cases		581	374	487	1,576	560	1,104	2,554	860	1,104	2,910	1,941	1,941
Rabies ----- Deaths	38b	1	1	1	2	2	2	1	--	--	2	--	--
Cases		1	1	1	1	2	3	2	--	--	2	--	--
Rheumatic fever (acute) ----- Deaths	58	133	107	81	78	70	72	60	49	43	34	32	32
Cases§		(#)	(#)	(#)	(#)	399	275	320	186	157	322	187	187
Rocky Mt. spotted fever ----- Deaths	39c	4	5	2	2	2	--	3	4	2	3	3	3
Cases		18	19	25	12	13	18	41	31	17	15	13	13
Scarlet fever ----- Deaths	8	66	42	34	21	24	24	8	1	--	2	--	--
Cases		20,814	11,583	7,754	6,989	11,731	10,521	6,397	4,063	4,512	3,991	2,086	2,086
Smallpox ----- Deaths	34	--	--	--	--	--	--	--	--	--	--	--	--
Cases		167	102	60	68	12	12	6	2	--	--	--	--
Tetanus ----- Deaths	12	28	25	29	31	21	18	12	8	9	11	7	7
Cases		42	32	38	44	30	32	37	30	20	37	21	21
Tuberculosis, all forms ----- Deaths	13 - 22	3,693	3,534	3,297	3,326	3,197	3,159	3,020	2,845	2,657	2,518	2,221	2,221
Cases		8,574	9,412	9,415	8,740	7,967	6,305	6,587	7,772	6,982	7,956	7,630	7,630
Tularemia ----- Deaths	26a	22	7	1	1	10	5	9	1	2	--	2	2
Cases		272	106	67	55	91	131	98	124	57	75	78	78
Typhoid fever ----- Deaths	1	33	25	17	10	12	9	9	10	4	1	1	1
Cases		310	280	233	121	102	87	106	139	93	101	80	80
Undulant fever ----- Deaths	5	5	10	7	6	5	4	2	6	5	1	1	1
Cases		155	217	265	306	322	324	478	554	513	514	442	442
Whooping cough ----- Deaths	9	65	93	94	101	43	56	30	44	28	27	22	22
Cases		6,411	7,707	11,759	7,459	3,194	4,106	5,431	4,795	2,202	3,936	3,339	3,339
VENEREAL DISEASES													
Gonococcus infection ----- Deaths	25	16	13	11	4	8	6	6	4	4	6	2	2
Cases¶		17,281	19,249	20,606	21,580	22,580	27,117	37,956	32,794	28,725	25,080	21,037	21,037
Syphilis ----- Deaths	30	1,003	943	846	866	855	796	758	682	614	631	558	558
Cases¶		21,979	23,484	28,678	28,680	25,165	21,675	23,701	19,360	17,005	13,904	11,264	11,264

\*1951 figures are provisional.

†Intracranial lesions of vascular origin.

‡Amebiasis carriers included in the dysentery group, 1945-1951.

§The regulation requiring the reporting of rheumatic fever, in downstate Illinois only, went into effect July 1, 1943.

#Not available.

¶Includes Out-of-State cases reported by downstate agencies.



Table 3. -- NUMBER OF DEATHS FROM MOST FREQUENT CAUSES AND AGE SPECIFIC RATES FOR SIX AGE GROUPS, 1951, AND COMPARATIVE NUMBERS AND RATES FOR SAME DISEASES IN 1940

(Rates per 100,000 population in each age group)

Age and Cause of Death	International List Number 5th Revision	Number of Deaths		Age Specific Rate		Age and Cause of Death	International List Number 5th Revision	Number of Deaths		Age Specific Rate	
		1951*	1940	1951*	1940			1951*	1940	1951*	1940
UNDER 5 YEARS OF AGE						25-44 YEARS OF AGE					
All causes		5,849	5,340	666.4	976.3	All causes		6,880	9,843	247.1	390.7
Communicable diseases, except tuberculosis, pneumonia, and influenza	157-158, 160-161	2,230	1,547	254.1	282.8	Heart disease	90-95	1,522	1,752	54.7	69.5
Premature birth	159	1,777	1,514	202.5	276.8	All accidents	169-195	1,165	1,202	41.8	47.7
Pneumonia, and influenza	33, 107-109	673	824	76.7	150.7	Cancer	45-55	1,057	1,006	38.0	39.9
Diabetes	169-195	343	271	39.1	49.5	Tuberculosis, all forms	13-22	533	1,492	19.1	59.2
Diphtheria and enteritis	119	149	199	17.0	36.4	Nephritis	130-132	293	470	10.5	18.7
Communicable diseases, except tuberculosis, pneumonia, and influenza	1-12, 23-32, 34-44	104	215	11.8	39.3	Communicable diseases, except tuberculosis	1-12, 23-44	289	404	10.4	16.0
Tuberculosis, all forms	13-22	57	79	6.5	14.4	Suicide	163-164	242	385	8.7	15.3
Measles	45-55	53	28	6.0	5.1	Intracranial lesions of vascular origin	83	238	270	8.5	10.7
Scarlet fever	90-95	19	21	2.2	3.8	Cirrhosis of the liver	124	220	140	7.9	5.6
Cranial lesions of vascular origin	83	17	12	1.9	2.2	Homicide	165-168	200	197	7.2	7.8
Other causes	RESIDUAL	427	630	48.6	115.2	All other causes	RESIDUAL	1,121	2,525	40.3	100.2
5-14 YEARS OF AGE						45-64 YEARS OF AGE					
All causes		689	1,212	55.1	104.4	All causes		27,548	27,353	1381.0	1571.1
Communicable diseases, except tuberculosis, pneumonia, and influenza	169-195	250	534	20.0	28.8	Heart disease	90-95	11,009	8,713	551.9	500.5
Diphtheria and enteritis	45-55	48	38	3.8	3.3	Cancer	45-55	5,931	4,758	297.3	273.3
Pneumonia, and influenza	33, 107-109	46	82	3.7	7.1	Intracranial lesions of vascular origin	83	2,066	1,976	103.6	113.5
Measles	36	40	22	3.2	1.9	All accidents	169-195	1,235	1,603	61.9	92.1
Scarlet fever	157-158, 160-161	38	13	3.0	1.1	Nephritis	130-132	1,140	1,898	57.1	109.0
Diabetes	115-129	32	176	2.6	15.2	Diabetes	61	1,116	1,036	55.9	59.5
Communicable diseases, except tuberculosis, pneumonia, and influenza	1-12, 23-32, 34-35, 37-44	26	116	2.1	10.0	Tuberculosis, all forms	13-22	749	1,223	37.5	70.2
Measles	90-95	25	104	2.0	9.0	Cirrhosis of the liver	124	656	418	32.9	24.0
Diphtheria and enteritis	130-132	25	30	2.0	2.6	Pneumonia, and influenza	33, 107-109	513	1,155	25.7	66.3
Tuberculosis, all forms	13-22	14	49	1.1	4.2	Communicable diseases, except tuberculosis, pneumonia, and influenza	1-12, 23-32, 34-44	321	689	16.1	39.6
Other causes	RESIDUAL	145	248	11.6	21.4	All other causes	RESIDUAL	2,812	3,884	141.0	223.1
15-24 YEARS OF AGE						OVER 64 YEARS					
All causes		1,309	2,439	109.4	179.3	All causes		50,732	42,093	6653.6	7411.3
Communicable diseases, except tuberculosis, pneumonia, and influenza	169-195	567	632	47.4	46.4	Heart disease	90-95	23,300	16,928	3055.9	2980.5
Measles	90-95	94	205	7.9	15.1	Cancer	45-55	7,586	5,240	994.9	922.6
Tuberculosis, all forms	13-22	90	483	7.5	35.5	Intracranial lesions of vascular origin	83	5,655	4,504	741.7	793.0
Measles	45-55	79	72	6.6	5.3	Nephritis	130-132	2,919	4,777	382.8	841.1
Scarlet fever	165-168	62	42	5.2	3.1	All accidents	169-195	2,077	1,746	272.4	307.4
Diabetes	130-132	50	76	4.2	5.6	Diabetes	61	1,933	1,415	253.5	249.1
Communicable diseases, except tuberculosis, pneumonia, and influenza	1-12, 23-32, 34-44	41	82	3.4	6.0	Arteriosclerosis	97	1,527	1,204	200.3	212.0
Measles	163-164	40	86	3.3	6.3	Pneumonia, and influenza	33, 107-109	1,201	1,751	157.5	306.3
Scarlet fever	140-150	34	91	2.8	6.7	Tuberculosis, all forms	13-22	447	367	58.6	64.6
Pneumonia, and influenza	33, 107-109	33	116	2.8	8.5	Cirrhosis of the liver	124	409	298	53.6	52.5
Other causes	RESIDUAL	219	554	18.3	40.7	All other causes	RESIDUAL	3,678	3,863	482.4	680.1

Table IV. -- BIRTHS AND DEATHS IN 1951 FOR COUNTIES AND THE LARGER CITIES

	Live Births		Stillbirths †		Deaths			Live Births		Stillbirths †		Deaths	
	Resident	Recorded	Res.	Rec.	Res.	Rec.		Res.	Rec.	Res.	Rec.	Res.	Rec.
ENTIRE STATE	200,581*	197,918	3,204	3,265	93,017*	91,961	CUMBERLAND	190	38	1	--	113	80
CHICAGO	81,717	82,151	1,403	1,434	40,920	37,384	DE KALB	1,024	1,180	17	20	406	403
DOWNSTATE	118,864	115,767	1,801	1,831	52,097	54,577	DE KALB CITY	346	612	5	8	111	162
ADAMS	1,379	1,615	54	27	955	982	DE WITT	372	277	--	1	200	150
QUINCY	899	1,605	42	26	648	790	DOUGLAS	377	393	7	6	183	172
ALEXANDER	372	681	10	21	319	386	DU PAGE	3,922	2,585	50	32	1,288	1,215
CAIRO	227	655	9	21	221	333	DOWNERS GROVE	330	2	7	--	126	59
BOND	293	2	6	1	189	80	ELMHURST	564	1,871	10	24	178	356
BOONE	400	521	5	7	188	203	WHEATON	304	--	4	1	80	45
BROWN	159	26	3	--	113	76	EDGAR	517	511	10	11	315	297
BUREAU	794	923	15	15	424	443	EDWARDS	185	38	--	--	103	60
CALHOUN	144	32	2	1	64	29	EFFINGHAM	560	490	14	9	193	159
CARROLL	498	385	10	9	223	172	FAYETTE	456	559	19	21	266	289
CASS	359	376	5	7	195	164	FORD	359	186	2	4	176	128
CHAMPAIGN	2,418	3,060	43	49	781	830	FRANKLIN	825	696	11	11	698	610
CHAMPAIGN CITY	990	979	14	16	332	364	WEST FRANKFORT	216	14	5	--	186	148
URBANA	607	1,429	13	20	169	255	FULTON	943	895	10	11	502	457
CHRISTIAN	875	958	16	16	389	349	CANTON	282	878	2	10	165	287
CLARK	374	40	1	--	189	118	GALLATIN	197	84	4	3	119	71
CLAY	344	411	2	4	189	158	GREENE	394	610	7	9	232	195
CLINTON	542	379	10	6	208	177	GRUNDY	452	343	8	5	197	160
COLES	889	1,073	11	14	469	449	HAMILTON	226	196	3	2	131	98
MATTOON	452	759	5	11	202	204	HANCOCK	561	393	7	8	330	231
COOK	103,271	102,251	1,699	1,725	48,695	47,179	HARDIN	124	114	3	3	73	62
BERWYN	999	2,150	13	33	463	502	HENDERSON	163	8	1	--	83	33
BLUE ISLAND	550	1,050	8	10	173	243	HENRY	1,080	1,069	14	15	538	456
BROOKFIELD	373	2	5	--	134	68	KEWANEE	362	774	4	12	228	260
CALUMET CITY	433	1	--	--	128	60	IROQUOIS	755	566	20	17	334	299
CHICAGO HEIGHTS	743	1,508	17	31	228	307	JACKSON	782	1,090	14	19	430	448
CICERO	1,333	6	24	1	627	319	CARBONDALE	224	617	4	13	131	202
DES PLAINES	489	47	4	1	133	75	JASPER	267	85	1	--	143	72
ELMWOOD PARK	384	2	4	--	165	73	JEFFERSON	807	812	12	13	397	378
EVANSTON	1,460	4,482	24	64	733	1,055	MT. VERNON	411	763	3	13	200	273
EVERGREEN PARK	275	3,889	2	44	66	502	JERSEY	360	41	2	--	149	98
FOREST PARK	346	--	3	--	185	106	JO DAVIESS	479	11	7	--	258	167
HARVEY	598	1,284	6	17	198	212	JOHNSON	141	53	4	3	94	71
LA GRANGE	383	2	5	--	146	65	KANE	3,445	5,448	48	75	1,589	2,355
MAYWOOD	592	6	14	1	315	143	AURORA	1,344	2,596	17	40	622	749
MELROSE PARK	444	700	8	14	111	184	ELGIN	859	1,995	9	27	474	1,185
OAK PARK	1,132	4,825	19	70	738	967	KANKAKEE	1,684	1,763	23	25	581	1,369
PARK RIDGE	371	1	4	--	139	83	KANKAKEE CITY	674	1,673	6	24	293	335
RIVER FOREST	179	--	1	--	113	48	KENDALL	270	2	5	--	125	87
SKOKIE	490	--	5	--	93	54							
WILMETTE	342	2	6	--	181	124							
WINNETKA	176	1	3	--	84	36							
CRAWFORD	393	363	7	6	266	233							

See footnotes at end of table.



Table IV. -- BIRTHS AND DEATHS IN 1951 FOR COUNTIES AND THE LARGER CITIES, Continued

	Live Births		Stillbirths †		Deaths			Live Births		Stillbirths †		Deaths	
	Resident	Recorded	Res.	Rec.	Res.	Rec.		Res.	Rec.	Res.	Rec.	Res.	Rec.
KNOX	1,211	1,287	15	12	641	602	PIKE	438	374	7	8	269	228
GALESBURG	735	1,283	8	11	391	474	POPE	69	9	--	--	73	43
LAKE	4,636	5,783	85	95	1,467	1,650	PULASKI	257	107	11	7	181	108
HIGHLAND PARK	336	446	4	4	134	149	PUTNAM	111	--	3	--	69	29
WAUKEGAN	1,043	1,194	22	21	350	292	RANDOLPH	569	806	3	7	291	325
LA SALLE	2,371	2,566	34	41	1,089	1,004	RICHLAND	344	484	11	14	184	235
LA SALLE CITY	244	437	5	7	144	174	ROCK ISLAND	3,327	3,438	47	51	1,312	1,577
OTTAWA	442	785	3	9	213	235	EAST MOLINE	347	3	5	2	129	322
STREATOR	498	926	6	16	208	257	MOLINE	1,027	2,449	17	39	420	616
LAWRENCE	442	426	4	4	206	207	Rock Island	1,168	984	14	10	528	476
LEE	737	750	11	7	434	503	ST. CLAIR	5,347	4,924	80	83	2,167	1,969
DIXON	285	630	2	5	153	199	BELLEVILLE	1,080	1,344	20	16	432	503
LIVINGSTON	828	772	10	11	412	485	E. ST. LOUIS	2,237	2,805	26	54	1,084	1,054
LOGAN	551	596	10	11	319	412	SALINE	564	890	9	14	415	419
LINCOLN	241	586	8	11	156	319	HARRISBURG	201	471	2	8	134	165
MC DONOUGH	588	620	13	12	336	364	SANGAMON	3,171	3,697	38	42	1,511	1,742
MACOMB	212	143	7	3	126	90	SPRINGFIELD	1,919	3,684	26	41	1,036	1,488
MC HENRY	1,298	772	18	11	613	466	SCHUYLER	187	122	3	1	115	86
MC LEAN	1,647	1,937	17	18	785	798	SCOTT	156	5	4	--	92	36
BLOOMINGTON	725	1,678	9	15	417	520	SHELBY	493	332	9	6	318	264
MACON	2,514	2,940	23	32	1,037	1,100	STARK	177	1	1	--	95	51
DECATUR	1,735	2,936	19	32	745	944	STEPHENSON	874	1,323	11	20	470	544
MACOUPIN	821	271	15	9	550	349	FREEPORT	476	1,309	6	20	298	400
MADISON	4,648	4,394	79	79	1,647	1,745	TAZEWELL	2,213	860	34	11	591	406
ALTON	823	1,704	16	33	403	539	PEKIN	513	843	9	11	209	203
COLLINSVILLE	294	4	4	1	110	40	UNION	358	397	9	8	210	445
GRANITE CITY	881	1,218	14	26	208	223	VERMILION	1,961	2,209	45	50	1,083	1,121
WOOD RIVER	275	6	4	--	62	23	DANVILLE	945	2,192	28	49	568	729
MARION	952	1,133	13	13	473	478	WABASH	347	276	4	4	173	166
CENTRALIA	383	745	5	9	164	219	WARREN	487	622	4	8	255	250
MARSHALL	241	3	3	--	130	68	MONMOUTH	244	456	2	6	144	179
MASON	310	11	7	1	166	74	WASHINGTON	274	25	1	--	177	137
MASSAC	234	238	6	6	201	201	WAYNE	416	545	8	9	235	220
MENARD	172	17	1	--	132	60	WHITE	459	154	1	--	252	178
MERCER	369	241	4	4	156	112	WHITESIDE	1,439	1,371	20	19	487	433
MONROE	262	6	1	--	122	68	STERLING	359	973	4	13	136	188
MONTGOMERY	684	954	10	17	392	460	WILL	3,055	3,082	43	47	1,297	1,292
MORGAN	678	974	11	18	378	792	JOLIET	1,884	3,064	16	47	686	901
JACKSONVILLE	349	968	5	17	225	727	WILLIAMSON	783	608	26	20	608	585
MOULTRIE	296	19	6	--	162	132	MARION	190	28	8	1	141	81
OGLE	761	391	11	8	340	261	WINNEBAGO	4,309	4,199	36	71	1,409	1,345
PEORIA	4,436	6,129	82	106	1,710	2,174	ROCKFORD	2,347	4,162	36	71	955	1,024
PEORIA CITY	2,743	6,064	54	103	1,277	1,556	WOODFORD	509	12	9	1	242	148
PERRY	448	501	12	16	215	203							
PIATT	318	183	3	2	167	113							

Note: "Resident" refers to births and deaths among residents of the area. "Recorded" refers to the births and deaths that took place in the area, irrespective of where the persons concerned may have usually resided.

\*The State totals include 13 live births and 54 deaths for which the specific place of residence within the State was not reported.

†Fetus having advanced to 5th month of uterogestation.

Table V. -- DEATHS OF ILLINOIS RESIDENTS ACCORDING TO CAUSE, 1951

(Provisional Report)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	93,017	3,776	5,016	5,849	689	1,309	6,880	27,548	50,732	20,250
SELECTED CAUSES OF DEATH	88,947	3,717	4,844	5,529	572	1,173	6,292	26,302	49,072	19,250
Diseases of infancy, total	4,140	3,520	3,903	4,007	38	17	45	27	6	926
Premature birth	1,777	1,761	1,777	1,777	xxx	xxx	xxx	xxx	xxx	380
Maternal causes, total	123	xxx	xxx	xxx	1	34	87	1	xxx	38
Puerperal septicemia	48	xxx	xxx	xxx	--	14	34	--	xxx	18
Puerperal toxemia	27	xxx	xxx	xxx	1	11	15	--	xxx	8
Communicable diseases, total	5,415	141	588	834	126	164	822	1,583	1,886	1,060
Acute respiratory diseases, total	2,654	139	517	673	46	33	188	513	1,201	625
Influenza	110	--	10	23	4	--	5	15	63	52
Pneumonia	2,544	139	507	650	42	33	183	498	1,138	573
Diphtheria	1	--	--	--	--	--	1	--	--	1
Dysentery—all forms	19	1	6	8	1	--	2	4	4	4
Encephalitis—infectious	25	--	1	2	4	2	5	9	3	4
Measles	33	--	9	22	6	--	1	2	2	21
Meningitis—meningococcus	58	1	17	36	4	5	6	6	1	17
Pertussis (whooping cough)	15	--	11	15	--	--	--	--	--	7
Poliomyelitis	103	--	2	8	40	25	28	2	--	33
Rheumatic fever	36	--	2	3	7	5	8	6	7	13
Scarlet fever	1	--	--	1	--	--	--	--	--	1
Syphilis	491	--	--	--	--	1	33	259	198	78
Tuberculosis—all forms	1,890	--	14	57	14	90	533	749	447	235
Pulmonary tuberculosis	1,747	--	6	20	6	80	504	715	422	224
Other communicable diseases	89	--	9	9	4	3	17	33	23	21
Accidents—all forms, total	5,641	16	145	343	250	567	1,165	1,235	2,077	1,607
Motor vehicle	1,994	--	15	77	118	361	572	511	354	607
Home	1,870	8	108	214	37	37	141	234	1,206	523
Occupational	564	xxx	xxx	xxx	2	52	243	218	49	200
Public	1,213	8	22	52	93	117	209	272	468	277
Arteriosclerosis	1,626	xxx	xxx	xxx	1	--	5	93	1,527	488
Cancer	14,754	--	3	53	48	79	1,057	5,931	7,586	2,876
Diabetes	3,200	--	1	4	8	18	121	1,116	1,933	633
Diseases of digestive system, total	3,765	31	181	232	32	28	484	1,525	1,464	740
Appendicitis	211	--	--	6	10	5	39	81	70	49
Cirrhosis of the liver	1,292	--	5	5	--	2	220	656	409	173
Diarrhea and enteritis	235	22	128	149	6	5	23	22	30	61
Hernia and intestinal obstruction	571	4	31	37	4	6	47	164	313	138
Ulcers of stomach or duodenum	676	1	3	3	1	3	68	314	287	131
Goiter—exophthalmic	133	--	--	--	--	2	10	60	61	32
Heart disease, total	35,970	3	9	19	25	94	1,522	11,009	23,300	7,342
Coronary	11,287	--	2	3	1	9	637	4,750	5,886	2,687
Chronic rheumatic	1,514	1	1	3	14	53	260	581	603	333
Homicide	379	2	4	9	11	62	200	79	18	39
Intracranial lesions of vascular origin	8,000	4	9	17	5	18	238	2,066	5,655	2,073
Nephritis	4,439	--	1	11	25	50	293	1,140	2,919	1,026
Prostatic disease	472	--	--	--	--	--	1	53	418	135
Suicide	890	xxx	xxx	xxx	2	40	242	384	222	235
ALL OTHER KNOWN CAUSES	4,034	55	168	316	115	130	582	1,239	1,651	988
CAUSE AS YET UNASSIGNED	36	4	4	4	2	6	6	7	9	12

Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 10; Selected causes of death, 7; Accidents -- all forms, total, 4; Motor vehicle, 1; Home, 1; Public, 2; Heart disease, total, 1; Coronary, 1; Intracranial lesions of vascular origin, 1; Nephritis, 1; All other known causes, 1; and Cause as yet unassigned, 2.



Table VI. -- DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1951

(Provisional Report)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	*54,336	2,250	2,952	3,399	374	686	4,545	18,523	26,804	2,566
SELECTED CAUSES OF DEATH	52,142	2,221	2,857	3,223	312	607	4,181	17,775	26,039	2,449
Diseases of infancy, total	2,451	2,098	2,316	2,369	25	9	30	15	3	138
Premature birth	1,079	1,071	1,079	1,079	xxx	xxx	xxx	xxx	xxx	58
Maternal causes, total	65	xxx	xxx	xxx	1	18	45	1	xxx	4
Puerperal septicemia	22	xxx	xxx	xxx	--	9	13	--	xxx	2
Puerperal toxemia	13	xxx	xxx	xxx	1	3	9	--	xxx	1
Communicable diseases, total	3,355	100	358	505	69	116	637	1,078	950	139
Acute respiratory diseases, total	1,513	--	319	407	26	20	130	348	582	85
Influenza	27	--	3	7	3	--	4	6	7	6
Pneumonia	1,486	98	316	400	23	20	126	342	575	79
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	10	1	4	5	--	--	--	3	2	--
Encephalitis—infectious	16	--	--	1	2	2	5	5	1	--
Measles	3	--	1	2	1	--	--	--	--	--
Meningitis—meningococcus	36	1	8	22	3	1	6	4	--	2
Pertussis (whooping cough)	5	--	4	5	--	--	--	--	--	2
Poliomyelitis	60	--	2	4	22	14	20	--	--	9
Rheumatic fever	19	--	1	2	4	3	4	4	2	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	265	--	--	--	--	--	22	149	94	10
Tuberculosis—all forms	1,375	--	12	50	10	75	438	544	258	26
Pulmonary tuberculosis	1,263	--	5	17	4	66	414	521	241	24
Other communicable diseases	53	--	7	7	1	1	12	21	11	4
Accidents—all forms, total	*2,709	8	74	160	126	214	573	671	962	223
Motor vehicle	*971	--	5	36	58	127	270	270	209	107
Home	913	5	61	106	23	22	97	145	520	68
Occupational	183	xxx	xxx	xxx	1	11	71	80	20	18
Public	*642	3	8	18	44	54	135	176	213	30
Arteriosclerosis	704	xxx	xxx	xxx	--	--	2	57	645	35
Cancer	9,094	--	2	39	30	45	690	4,059	4,231	403
Diabetes	1,955	--	--	--	4	10	68	776	1,097	72
Diseases of digestive system, total	2,307	11	94	120	16	12	333	1,063	763	110
Appendicitis	125	--	--	5	4	4	26	49	37	6
Cirrhosis of the liver	917	--	5	5	--	1	169	491	251	38
Diarrhea and enteritis	113	6	64	71	2	2	15	14	9	6
Hernia and intestinal obstruction	287	2	13	17	3	2	25	100	140	13
Ulcers of stomach or duodenum	421	1	3	3	1	--	44	215	158	22
Goiter—exophthalmic	74	--	--	--	--	2	6	33	33	1
Heart disease, total	21,902	1	5	9	15	68	1,143	7,710	12,957	940
Coronary	6,146	--	1	1	--	5	417	3,021	2,702	351
Chronic rheumatic	843	--	--	1	8	40	189	360	245	41
Homicide	294	2	4	8	4	54	155	59	14	7
Intracranial lesions of vascular origin	*4,046	1	4	8	3	10	156	1,268	2,600	210
Nephritis	*2,484	--	--	5	18	28	205	735	1,492	127
Prostatic disease	225	--	--	--	--	--	--	33	192	8
Suicide	477	xxx	xxx	xxx	1	21	138	217	100	32
ALL OTHER KNOWN CAUSES	2,182	29	95	176	61	76	360	745	764	117
CAUSE AS YET UNASSIGNED	12	--	--	--	1	3	4	3	1	--

\*Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 5; Selected causes of death, 5; Accidents -- all forms, total, 3; Motor vehicle, 1; Public, 2; Intracranial lesions of vascular origin, 1; and Nephritis, 1.

Table VII. -- DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1951

(Provisional Report)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	*9,163	380	522	639	86	150	560	2,193	5,533	3,672
SELECTED CAUSES OF DEATH	*8,659	369	502	588	69	139	501	2,064	5,297	3,469
Diseases of infancy, total	430	355	403	414	6	3	4	2	1	194
Premature birth	173	170	173	173	xxx	xxx	xxx	xxx	xxx	68
Maternal causes, total	14	xxx	xxx	xxx	--	5	9	--	xxx	11
Puerperal septicemia	6	xxx	xxx	xxx	--	1	5	--	xxx	6
Puerperal toxemia	4	xxx	xxx	xxx	--	1	3	--	xxx	1
Communicable diseases, total	431	7	48	73	16	16	44	95	187	172
Acute respiratory diseases, total	258	7	43	61	5	6	15	40	131	114
Influenza	13	--	1	4	--	--	1	1	7	5
Pneumonia	245	7	42	57	5	6	14	39	124	109
Diphtheria	1	--	--	--	--	--	1	--	--	1
Dysentery—all forms	5	--	1	2	1	--	1	1	--	4
Encephalitis—infectious	2	--	--	--	1	--	--	1	--	1
Measles	3	--	1	1	2	--	--	--	--	1
Meningitis—meningococcus	2	--	--	2	--	--	--	--	--	2
Pertussis (whooping cough)	3	--	2	3	--	--	--	--	--	1
Poliomyelitis	15	--	--	2	5	4	2	2	--	5
Rheumatic fever	6	--	--	--	--	1	4	--	1	6
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	39	--	--	--	--	--	3	14	22	8
Tuberculosis—all forms	90	--	--	1	1	5	17	35	31	28
Pulmonary tuberculosis	83	--	--	1	--	5	15	33	29	25
Other communicable diseases	7	--	1	1	1	--	1	2	2	1
Accidents—all forms, total	650	2	27	64	31	80	110	120	245	274
Motor vehicle	226	--	8	18	14	53	59	55	27	88
Home	226	--	13	35	3	4	13	26	145	98
Occupational	47	xxx	xxx	xxx	--	5	22	17	3	27
Public	151	2	6	11	14	18	16	22	70	61
Arteriosclerosis	198	xxx	xxx	xxx	--	--	1	5	192	79
Cancer	1,390	--	--	3	1	10	95	458	823	506
Diabetes	333	--	--	1	1	4	15	89	223	140
Diseases of digestive system, total	367	4	21	28	6	4	41	121	167	151
Appendicitis	21	--	--	--	2	--	5	8	6	10
Cirrhosis of the liver	95	--	--	--	--	1	12	39	43	33
Diarrhea and enteritis	27	4	16	20	2	1	2	--	2	13
Hernia and intestinal obstruction	68	--	5	6	--	2	6	14	40	32
Ulcers of stomach or duodenum	72	--	--	--	--	--	5	27	40	22
Goiter—exophthalmic	17	--	--	--	--	--	2	10	5	7
Heart disease, total	*3,300	--	1	3	3	7	110	794	2,382	1,309
Coronary	*1,345	--	--	--	--	1	69	453	821	518
Chronic rheumatic	171	--	--	--	3	4	17	67	80	77
Homicide	6	--	--	--	--	--	5	1	--	3
Intracranial lesions of vascular origin	926	1	2	2	1	2	18	215	688	372
Nephritis	440	--	--	--	4	3	20	99	314	192
Prostatic disease	58	--	--	--	--	--	--	8	50	21
Suicide	99	xxx	xxx	xxx	--	5	27	47	20	38
ALL OTHER KNOWN CAUSES	501	11	20	51	17	11	59	129	234	201
CAUSE AS YET UNASSIGNED	*3	--	--	--	--	--	--	--	2	2

\*Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 2; Selected causes of death, 1; Heart disease, total, 1; Coronary, 1; and Cause as yet unassigned, 1.



(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,301	124	159	179	15	25	142	634	1,306	581
SELECTED CAUSES OF DEATH	2,190	124	154	172	13	19	133	598	1,255	553
Diseases of infancy, total	138	117	129	134	1	--	1	1	1	45
Premature birth	46	46	46	46	xxx	xxx	xxx	xxx	xxx	15
Maternal causes, total	5	xxx	xxx	xxx	--	1	4	--	xxx	1
Puerperal septicemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Puerperal toxemia	1	xxx	xxx	xxx	--	1	--	--	xxx	1
Communicable diseases, total	143	5	18	23	3	--	14	37	66	26
Acute respiratory diseases, total	85	5	17	21	--	--	5	16	43	18
Influenza	3	--	--	--	--	--	--	--	3	--
Pneumonia	82	5	17	21	--	--	5	16	40	18
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	2	--	--	--	--	--	1	--	1	--
Encephalitis—infectious	2	--	--	--	1	--	--	1	--	1
Measles	3	--	1	2	1	--	--	--	--	1
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	2	--	--	--	1	--	1	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	21	--	--	--	--	--	1	6	14	4
Tuberculosis—all forms	28	--	--	--	--	--	6	14	8	2
Pulmonary tuberculosis	27	--	--	--	--	--	6	14	7	2
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	146	1	3	10	7	12	18	26	73	42
Motor vehicle	45	--	--	1	6	10	13	10	5	13
Home	71	--	2	6	--	--	4	7	54	22
Occupational	4	xxx	xxx	xxx	--	--	--	3	1	4
Public	26	1	1	3	1	2	1	6	13	3
Arteriosclerosis	79	xxx	xxx	xxx	--	--	--	2	77	18
Cancer	355	--	--	--	--	--	30	149	176	95
Diabetes	82	--	--	--	--	1	8	19	54	23
Diseases of digestive system, total	95	1	4	5	--	1	13	41	35	17
Appendicitis	4	--	--	--	--	--	--	2	2	--
Cirrhosis of the liver	36	--	--	--	--	--	7	18	11	7
Diarrhea and enteritis	8	1	3	4	--	--	--	1	3	2
Hernia and intestinal obstruction	14	--	--	--	--	--	2	5	7	4
Ulcers of stomach or duodenum	21	--	--	--	--	1	3	11	6	2
Goiter—exophthalmic	2	--	--	--	--	--	--	--	2	2
Heart disease, total	814	--	--	--	--	1	30	239	544	190
Coronary	298	--	--	--	--	--	11	128	159	70
Chronic rheumatic	79	--	--	--	--	1	12	34	32	14
Homicide	3	--	--	--	--	--	2	1	--	1
Intracranial lesions of vascular origin	184	--	--	--	1	1	3	37	142	52
Nephritis	104	--	--	--	--	1	3	31	69	31
Prostatic disease	15	--	--	--	--	--	--	3	12	3
Suicide	25	xxx	xxx	xxx	1	1	7	12	4	7
ALL OTHER KNOWN CAUSES	110	--	5	7	2	6	9	35	51	28
CAUSE AS YET UNASSIGNED	1	--	--	--	--	--	--	1	--	--

Table IX. -- DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1951

(Provisional Report)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	*15,509	529	732	857	99	224	792	3,367	10,169	7,787
SELECTED CAUSES OF DEATH	*14,815	524	709	810	81	207	706	3,182	9,828	7,409
Diseases of infancy, total	604	498	569	588	2	2	7	5	--	296
Premature birth	263	260	263	263	xxx	xxx	xxx	xxx	xxx	131
Maternal causes, total	18	--	--	--	--	5	13	--	xxx	11
Puerperal septicemia	9	xxx	xxx	xxx	--	3	6	--	xxx	6
Puerperal toxemia	3	xxx	xxx	xxx	--	2	1	--	xxx	2
Communicable diseases, total	759	15	83	110	16	17	50	189	377	374
Acute respiratory diseases, total	426	15	68	87	8	3	12	53	263	224
Influenza	35	--	3	4	--	--	--	5	26	21
Pneumonia	391	15	65	83	8	3	12	48	237	203
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	1	1	--	--	--	--	--	--
Encephalitis—infectious	2	--	--	--	--	--	--	2	--	--
Measles	8	--	3	7	--	--	--	1	--	6
Meningitis—meningococcus	13	--	7	9	1	2	--	--	1	9
Pertussis (whooping cough)	2	--	2	2	--	--	--	--	--	2
Poliomyelitis	15	--	--	--	4	6	5	--	--	11
Rheumatic fever	5	--	1	1	1	1	--	2	--	3
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	96	--	--	--	--	--	5	49	42	36
Tuberculosis—all forms	175	--	1	3	--	5	26	75	66	76
Pulmonary tuberculosis	168	--	1	2	--	5	26	71	64	76
Other communicable diseases	16	--	--	--	2	--	2	7	5	7
Accidents—all forms, total	*1,097	1	21	49	45	133	190	189	490	581
Motor vehicle	415	--	2	14	20	92	126	95	68	230
Home	*400	--	13	26	7	5	16	28	317	208
Occupational	91	xxx	xxx	xxx	1	14	27	33	16	55
Public	191	1	6	9	17	22	21	33	89	88
Arteriosclerosis	344	xxx	xxx	xxx	--	--	--	12	332	186
Cancer	2,316	--	--	7	6	14	137	726	1,426	1,137
Diabetes	500	--	1	3	2	2	19	130	344	240
Diseases of digestive system, total	554	10	32	43	2	5	62	156	286	267
Appendicitis	22	--	--	1	--	1	3	9	8	12
Cirrhosis of the liver	138	--	--	--	--	--	22	61	55	56
Diarrhea and enteritis	42	7	24	28	1	1	4	2	6	22
Hernia and intestinal obstruction	112	2	5	6	1	1	7	19	7	57
Ulcers of stomach or duodenum	92	--	--	--	--	--	12	31	49	51
Goiter—exophthalmic	26	--	--	--	--	--	1	10	15	17
Heart disease, total	5,880	--	1	1	5	7	106	1,275	4,486	2,933
Coronary	2,208	--	1	1	--	--	68	703	1,436	1,106
Chronic rheumatic	243	--	--	--	3	4	15	68	153	122
Homicide	33	--	--	1	3	3	14	10	2	16
Intracranial lesions of vascular origin	1,594	--	1	4	--	3	28	287	1,272	810
Nephritis	820	--	1	4	--	9	37	130	640	389
Prostatic disease	106	--	--	--	--	--	1	4	101	59
Suicide	164	xxx	xxx	xxx	--	7	41	59	57	93
ALL OTHER KNOWN CAUSES	686	4	22	46	17	16	84	184	339	373
CAUSE AS YET UNASSIGNED	8	1	1	1	1	1	2	1	2	5

\*Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 1; Selected causes of death, 1; Accidents -- all forms, total, 1; and Home, 1.



Table X. -- DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1951  
(Provisional Report)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	*3,814	214	282	336	37	91	331	1,052	1,966	985
SELECTED CAUSES OF DEATH	3,632	206	269	321	36	82	303	997	1,893	943
Diseases of infancy, total	220	195	206	215	2	1	1	1	--	66
Premature birth	84	83	84	84	xxx	xxx	xxx	xxx	xxx	24
Maternal causes, total	8	xxx	xxx	xxx	--	3	5	--	xxx	3
Puerperal septicemia	4	xxx	xxx	xxx	--	1	3	--	xxx	2
Puerperal toxemia	2	xxx	xxx	xxx	--	2	--	--	xxx	--
Communicable diseases, total	258	8	35	49	11	8	37	73	80	58
Acute respiratory diseases, total	133	8	30	41	4	3	12	29	44	35
Influenza	10	--	1	2	--	--	--	2	6	4
Pneumonia	123	8	29	39	4	3	12	27	38	31
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	5	--	1	2	2	--	1	--	--	3
Meningitis—meningococcus	5	--	2	3	--	2	--	--	--	2
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	--
Poliomyelitis	2	--	--	--	2	--	--	--	--	--
Rheumatic fever	1	--	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	31	--	--	--	--	--	2	15	14	3
Tuberculosis—all forms	76	--	1	2	2	2	22	29	19	13
Pulmonary tuberculosis	71	--	--	--	2	1	22	28	18	13
Other communicable diseases	4	--	--	--	--	1	--	--	3	2
Accidents—all forms, total	334	1	13	35	15	49	86	59	90	109
Motor vehicle	138	--	--	3	7	34	50	30	14	48
Home	105	1	13	29	2	4	5	10	55	28
Occupational	47	xxx	xxx	xxx	--	5	24	14	4	19
Public	44	--	--	3	6	6	7	5	17	14
Arteriosclerosis	68	xxx	xxx	xxx	--	--	--	2	66	27
Cancer	543	--	1	2	4	2	42	217	276	136
Diabetes	103	--	--	--	--	--	6	37	60	23
Diseases of digestive system, total	163	2	14	16	1	2	19	61	64	43
Appendicitis	12	--	--	--	1	--	1	4	6	4
Cirrhosis of the liver	50	--	--	--	--	--	7	30	13	12
Diarrhea and enteritis	20	2	11	12	--	--	2	3	3	7
Hernia and intestinal obstruction	37	--	3	3	--	--	5	10	19	9
Ulcers of stomach or duodenum	20	--	--	--	--	--	1	10	9	4
Goiter—exophthalmic	4	--	--	--	--	--	--	2	2	--
Heart disease, total	1,274	--	--	3	--	5	54	355	857	326
Coronary	354	--	--	1	--	2	28	151	172	87
Chronic rheumatic	44	--	--	1	--	2	10	16	15	6
Homicide	25	--	--	--	3	3	15	3	1	2
Intracranial lesions of vascular origin	374	--	--	--	--	2	17	103	252	81
Nephritis	185	--	--	1	--	3	13	62	106	39
Prostatic disease	27	--	--	--	--	--	--	2	25	11
Suicide	46	xxx	xxx	xxx	--	4	8	20	14	19
ALL OTHER KNOWN CAUSES	175	6	11	13	1	9	28	54	70	40
CAUSE AS YET UNASSIGNED	*7	2	2	2	--	--	--	1	3	2

Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 1; and Cause as yet unassigned, 1.

Table XI. -- DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1951

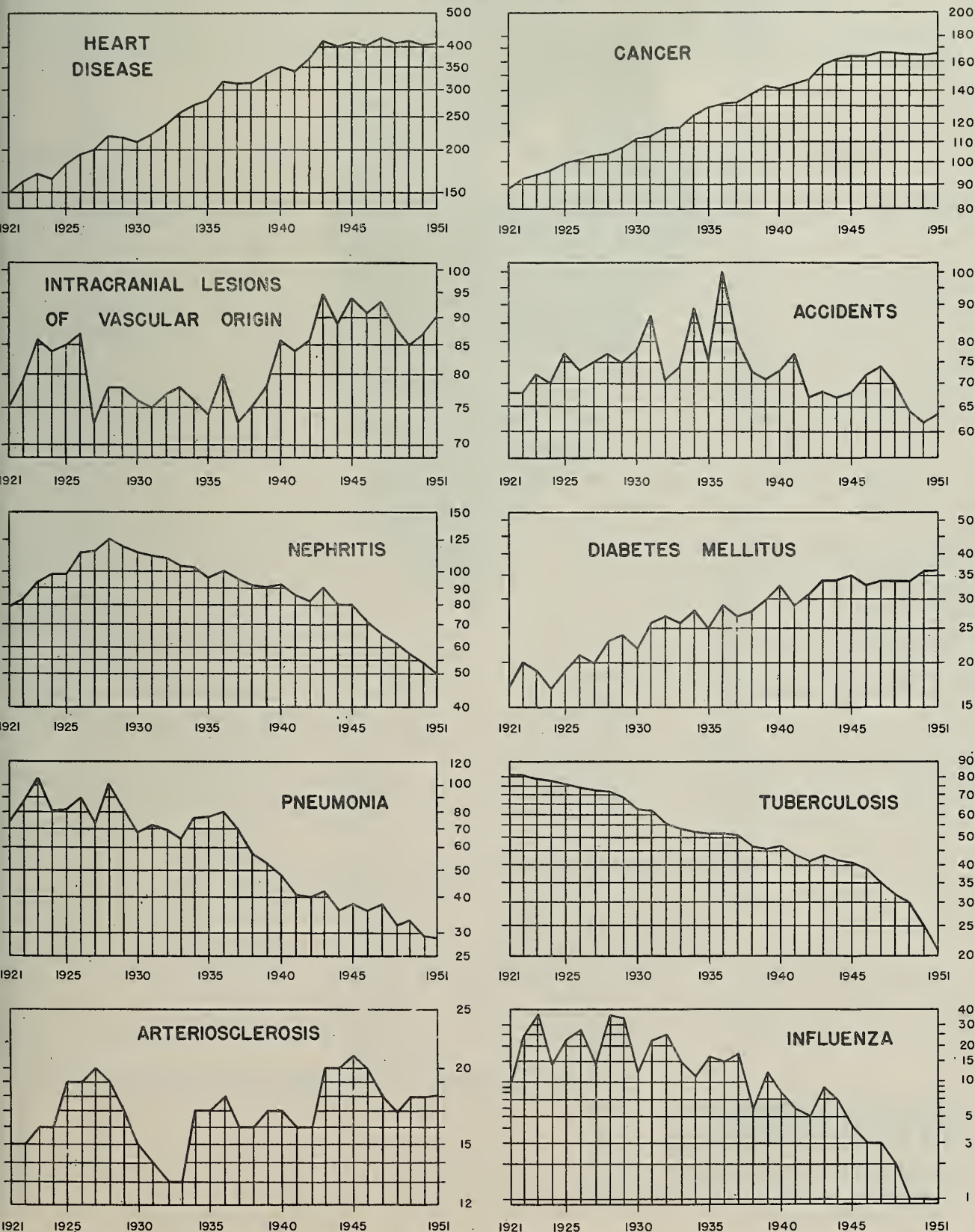
(Provisional Report)

CAUSE (5th Révision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,840	277	367	437	78	133	497	1,751	4,944	4,651
SELECTED CAUSES OF DEATH	7,459	273	353	415	61	119	455	1,659	4,750	4,427
Diseases of infancy, total	297	257	280	287	2	2	2	3	1	187
Premature birth	132	131	132	132	xxx	xxx	xxx	xxx	xxx	84
Maternal causes, total <sup>1</sup>	13	xxx	xxx	xxx	--	2	11	--	--	8
Puerperal septicemia	5	xxx	xxx	xxx	--	--	5	--	--	2
Puerperal toxemia	4	xxx	xxx	xxx	--	2	2	--	--	3
Communicable diseases, total	464	6	46	74	11	7	40	107	225	291
Acute respiratory diseases, total	237	6	40	56	3	1	14	25	138	149
Influenza	22	--	2	6	1	--	--	1	14	16
Pneumonia	215	6	38	50	2	1	14	24	124	133
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	--	1	--
Encephalitis—infectious	3	--	1	1	--	--	--	--	2	2
Measles	11	--	2	8	--	--	--	1	2	10
Meningitis—meningococcus	2	--	--	--	--	--	--	2	--	2
Pertussis (whooping cough)	4	--	2	4	--	--	--	--	--	2
Poliomyelitis	9	--	--	2	6	1	--	--	--	8
Rheumatic fever	5	--	--	--	1	--	--	--	4	3
Scarlet fever	1	--	--	1	--	--	--	--	--	1
Syphilis	38	--	--	--	--	1	--	26	11	17
Tuberculosis—all forms	144	--	--	1	1	3	24	50	65	90
Pulmonary tuberculosis	133	--	--	--	--	3	21	46	63	84
Other communicable diseases	9	--	1	1	--	1	2	3	2	7
Accidents—all forms, total	687	3	7	25	26	79	181	162	214	378
Motor vehicle	193	--	--	5	13	45	53	49	28	121
Home	155	2	6	12	2	2	6	18	115	99
Occupational	192	xxx	xxx	xxx	--	17	99	71	5	77
Public	147	1	1	8	11	15	23	24	66	81
Arteriosclerosis	233	xxx	xxx	xxx	1	--	2	15	215	143
Cancer	1,053	--	--	2	7	8	63	321	652	599
Diabetes	227	--	--	--	1	1	5	65	155	135
Diseases of digestive system, total	277	3	16	20	7	4	15	82	149	152
Appendicitis	26	--	--	--	3	--	3	9	11	17
Cirrhosis of the liver	55	--	--	--	--	--	3	16	36	27
Diarrhea and enteritis	25	2	10	14	1	1	--	2	7	11
Hernia and intestinal obstruction	53	--	5	5	--	1	2	16	29	23
Ulcers of stomach or duodenum	50	--	--	--	--	2	3	20	25	30
Goiter—exophthalmic	10	--	--	--	--	--	1	5	4	5
Heart disease, total	2,780	2	2	3	2	6	75	624	2,070	1,644
Coronary	934	--	--	--	1	1	43	294	595	555
Chronic rheumatic	134	1	1	1	--	2	17	36	78	73
Homicide	18	--	--	--	1	2	9	5	1	10
Intracranial lesions of vascular origin	876	2	2	3	--	--	16	156	701	548
Nephritis	406	--	--	1	3	6	15	83	298	248
Prostatic disease	41	--	--	--	--	--	--	3	38	33
Suicide	77	xxx	xxx	xxx	--	2	20	28	27	46
ALL OTHER KNOWN CAUSES	377	4	14	22	17	12	42	91	193	229
CAUSE AS YET UNASSIGNED	4	--	--	--	--	2	--	1	1	3



# CRUDE MORTALITY RATES FOR SELECTED CAUSES, ILLINOIS, 1921-1951

1921-1939 rates based on deaths *occurring* in Illinois and 1940-1951 rates based on Illinois *resident* deaths  
(per 100,000 estimated mid-year population)



These are RATIO charts, an equal vertical distance represents an equal PERCENTAGE change in rate

# THE SIX MAJOR REGIONS OF ILLINOIS

## ESTIMATED POPULATION AS OF JULY 1, 1951

STATE OF ILLINOIS 8,865,947

### REGION 1 - CHICAGO METROPOLITAN

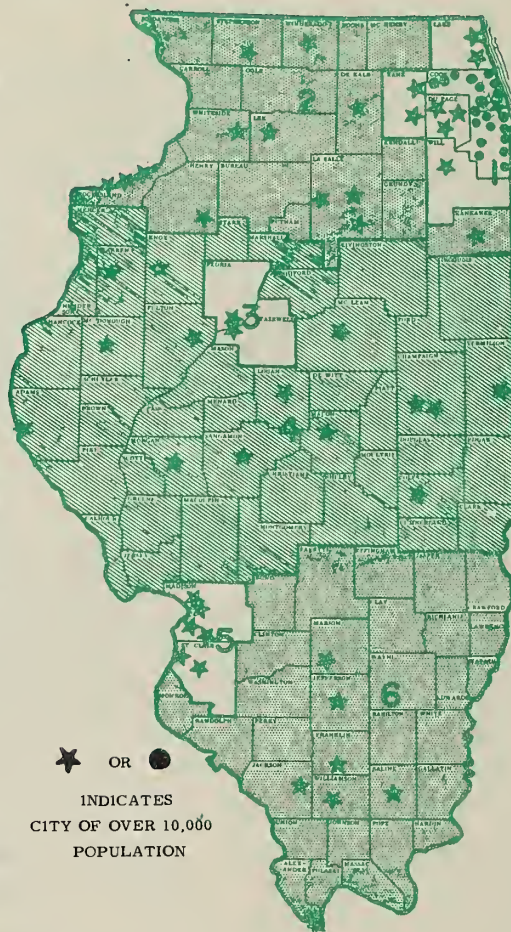
REGION	5,230,838
Cook County	4,581,910
Berwyn	51,872
Blue Island	17,901
Brookfield	16,390
Calumet City	16,140
Chicago	3,670,178
Chicago Heights	25,056
Cicero	68,260
Des Plaines	15,415
Elmwood Park	19,477
Evanston	74,928
Evergreen Park	10,751
Forest Park	15,050
Harvey	21,187
La Grange	12,348
Maywood	27,709
Melrose Park	13,810
Oak Park	63,552
Park Ridge	17,589
River Forest	10,898
Skokie	15,312
Wilmette	18,364
Winnetka	12,138
Du Page County	164,846
Downers Grove	12,101
Elmhurst	22,704
Wheaton	11,910
Kane County	155,421
Aurora	51,346
Elgin	43,367
Lake County	190,364
Highland Park	17,285
Waukegan	39,823
Will County	138,297
Joliet	53,351

### REGION 2 - NORTHERN

REGION	908,557
Boone County	17,412
Bureau County	37,785
Carroll County	19,216
De Kalb County	42,022
De Kalb City	11,990
Grundy County	19,384
Henry County	47,029
Kewanee	16,867
Jo Daviess County	21,642
Kankakee County	74,852
Kankakee City	26,464
Kendall County	12,299
La Salle County	101,199
La Salle City	12,058
Ottawa	17,190
Streator	16,754
Lee County	36,973
Dixon	11,679
Mc Henry County	52,879
Ogle County	34,029
Putnam County	4,677
Rock Island County	137,307
East Moline	14,233
Moline	38,076
Rock Island City	49,675
Stephenson County	41,807
Freeport	22,588
Whiteside County	50,509
Sterling	13,143
Winnebago County	157,536
Rockford	94,407

### REGION 3 - PEORIA METROPOLITAN

REGION	258,093
Peoria County	178,635
Peoria City	113,297
Tazewell County	79,458
Pekin	22,271



★ OR ●  
INDICATES  
CITY OF OVER 10,000  
POPULATION

### REGION 4 - CENTRAL

REGION	1,393,590
Adams County	64,748
Quincy	41,749
Brown County	7,066
Calhoun County	6,728
Cass County	14,964
Champaign County	111,700
Champaign City	42,537
Urbana	24,353
Christian County	38,978
Clark County	17,012
Coles County	40,992
Mattoon	17,900
Cumberland County	10,417
De Witt County	16,754
Douglas County	16,652
Edgar County	23,649
Ford County	16,097
Fulton County	43,723
Canton	12,012
Greene County	18,725
Hancock County	25,717
Henderson County	8,368
Iroquois County	32,450
Jersey County	15,589
Knox County	54,721
Galesburg	31,866
Livingston County	37,717
Logan County	31,276
Lincoln	14,489

Mc Donough County	28,452
Macomb	10,692
Mc Lean County	77,065
Bloomington	34,509
Macon County	102,899
Decatur	67,639
Macoupin County	43,618
Marshall County	13,047
Mason County	15,339
Menard County	9,557
Mercer County	17,359
Montgomery County	32,190
Morgan County	35,920
Jacksonville	20,581
Moultrie County	13,169
Platt County	13,910
Pike County	21,889
Sangamon County	133,496
Springfield	82,816
Schuyler County	9,363
Scott County	7,068
Shelby County	24,244
Stark County	8,721
Vermilion County	88,380
Danville	38,165
Warren County	22,103
Monmouth	10,355
Woodford County	21,758

### REGION 5 - E-ST. LOUIS METROPOLITAN

REGION	400,646
Madison County	187,767
Alton	32,794
Collinsville	12,035
Granite City	30,681
Wood River	10,395
St. Clair County	212,879
Belleville	33,668
E. St. Louis	83,632

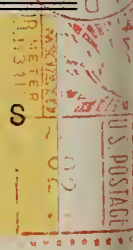
### REGION 6 - SOUTHERN

REGION	674,223
Alexander County	20,120
Cairo	12,097
Bond County	14,168
Clay County	17,482
Clinton County	22,926
Crawford County	21,150
Edwards County	9,071
Effingham County	21,684
Fayette County	24,215
Franklin County	48,324
West Frankfort	11,369
Gallatin County	9,715
Hamilton County	12,193
Hardin County	7,515
Jackson County	38,204
Carbondale	11,036
Jasper County	12,084
Jefferson County	36,147
Mt. Vernon	15,797
Johnson County	8,622
Lawrence County	20,434
Marion County	41,140
Centralia	13,104
Massac County	13,501
Monroe County	13,348
Perry County	21,511
Pope County	5,667
Pulaski County	13,474
Randolph County	31,484
Richland County	16,915
Saline County	33,135
Harrisburg	11,016
Union County	20,707
Wabash County	14,741
Washington County	14,391
Wayne County	20,895
White County	21,058
Williamson County	48,202
Marion	10,502

*Health Statistics*  
**BULLETIN**

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
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# Health Statistics

## BULLETIN

### BUREAU OF STATISTICS

952 Series

Springfield, Illinois

October 15, 1953

## LENGTH OF LIFE INCREASES AND FERTILITY RATES REMAIN HIGH

Resident live births in Illinois totaled 105,444 during 1952, 4,500 more than in 1951, and 10,000 more babies than were born in 1947, when the birth rate was at its peak. The 1952 live birth rate of 23.0 per 1,000 population is only exceeded by the 1947 rate of 24.2, and this is the sixth year out of the last seven in which the rate exceeded 22 per 1,000. Only in 1950, was the rate less than 22 per 1,000 (21.7), and during this seven year period more than 1,300,000 resident live births have been recorded.

The average crude birth rate per 1,000 population for the period 1939-1941 was 15.9, while the average rate for 1949-1951 was 22.2, an increase of 39.6 per cent. Mothers of all ages are having children at a higher rate than they were ten years ago. The average age of mothers having their first child has decreased, while mothers at older ages are producing more second and third born children than they were ten years ago. Fertility rates classified by the age of the mother, as shown in Table XV, indicate the great change in reproduction rates which has occurred during the past decade. Especially striking is the fact that nonwhite females aged 15-29 years are reproducing in 1949-1951 at twice the rate recorded during 1939-1941. The rate of reproduction for white women aged 15-19 years has increased almost 75 per cent during the same period.

The U.S. Bureau of the Census estimated the white net reproduction rate for Illinois during 1935-1940 to be only 816 per 1,000. That is, 1,000 women born at the same time would produce only 816 daughters before they all had died or reached the end of their reproduction period. The provisional net reproduction rates for Illinois, based on current fertility rates for daughters born during 1949-1951, and life tables for white and nonwhite females for the same period, are 1,276 per 1,000 for whites, and 1,501 per 1,000 for nonwhites. This is quite a different picture from the 1930's when demographers feared that the population would not be able to replace itself and would therefore decrease.

The record number of births was accompanied by a slight improvement in maternal, infant, and stillbirth death rates. (See Table I.) While the saving of lives due to these causes was only slightly better than in 1951, all of these rates are at record lows for Illinois. These rates reflect a continued trend in the lessening of mortality due to pregnancy and in the first year of life.

The crude general death rate of 10.6 per 1,000 inhabitants is slightly higher than the 1951 rate of 10.5, the same as the 1950 rate, but lower than any year previous to 1950. This stabil-

CONTINUED ON PAGE 8

Table I. -- MATERNAL, INFANT, AND STILLBIRTH MORTALITY RATES:  
ILLINOIS RESIDENTS, 1952, 1951, 1950, AND 1940

(Rates per 1,000 live births)

	Number				Rate			
	1952*	1951	1950	1940	1952*	1951	1950	1940
Maternal causes	98	124	129	359	0.5	0.6	0.7	2.9
Premature births	1,795	1,783	1,713	1,514	8.7	8.9	9.0	12.1
Neonatal deaths	3,721	3,776	3,580	2,978	18.1	18.8	18.9	23.9
Infant deaths	5,115	5,023	4,855	4,355	24.9	25.0	25.6	34.9
Stillbirths	3,275	3,270	3,084	3,158	15.9	16.3	16.3	25.3

\*1952 figures are provisional.

## BASIC HEALTH STATISTICS: ILLINOIS RESIDENTS, 1943 - 1952

Table II. -- NUMBER OF BIRTHS, DEATHS, AND REPORTED CASES

(Cases are those reported to Illinois health officers.)

	International list number 5th revision 1939	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952*
LIVE BIRTHS		153,182	139,781	136,676	174,202	195,328	184,553	189,169	189,628	201,082	205,444
DEATHS - ALL CAUSES		91,257	87,632	89,306	89,150	93,507	91,254	92,521	92,260	93,254	94,173
MATERNAL AND INFANT DEATHS											
Maternal causes	140 - 150	311	253	249	238	205	146	147	129	124	98
Neonatal deaths	All causes	3,433	3,081	2,983	4,006	4,250	3,789	3,834	3,580	3,776	3,721
Infant deaths	All causes	5,108	4,565	4,340	5,281	5,667	5,112	5,185	4,855	5,023	5,115
Premature birth	159	1,697	1,325	1,367	1,984	2,000	1,950	1,890	1,713	1,783	1,795
Diarrhea and enteritis (Under 2 yrs.)	119	268	199	211	190	182	170	248	164	143	142
EXTERNAL CAUSES											
Accidents - all forms	169 - 195	5,125	5,107	5,250	5,598	6,022	5,784	5,442	5,414	5,696	5,967
Motor vehicle accidents	170	1,274	1,317	1,505	1,872	2,011	1,948	1,817	2,050	2,024	2,220
Homicide	165 - 168	296	305	355	473	421	482	414	409	380	400
Suicide	163 - 164	831	759	858	943	949	891	1,007	1,018	898	872
GENERAL CAUSES											
Appendicitis	121	517	519	406	356	313	270	259	242	211	189
Arteriosclerosis	97	1,523	1,537	1,633	1,546	1,447	1,403	1,523	1,552	1,631	1,493
Cancer	45 - 55	11,959	12,328	12,652	12,820	13,500	13,863	14,141	14,430	14,786	15,103
Cerebral hemorrhage†	83	7,211	6,799	7,267	7,131	7,538	7,260	7,260	7,648	8,017	8,053
Cirrhosis of the liver	124	901	875	897	997	1,163	1,210	1,254	1,333	1,296	1,362
Diabetes mellitus	61	2,590	2,621	2,710	2,573	2,786	2,794	2,915	3,140	3,206	3,299
Diarrhea and enteritis (2 yrs. & over)	120	139	126	96	95	104	77	94	85	92	90
Diseases of infancy, total	157 - 161	3,634	3,351	3,217	4,236	4,494	4,123	4,113	3,950	4,157	4,104
Goiter	63b	231	222	226	203	179	162	166	157	133	104
Heart disease	90 - 95	31,481	30,734	31,927	31,673	34,504	34,178	35,173	35,311	36,053	36,380
Hernia and intestinal obstruction	122	830	851	754	750	722	666	659	582	571	543
Nephritis	130 - 132	6,876	6,138	6,153	5,623	5,305	5,135	4,900	4,720	4,448	4,214
Prostatic disease	137	636	651	565	590	579	537	497	473	473	441
Stomach, duodenal ulcers	117	615	614	605	540	616	629	674	689	677	699
COMMUNICABLE DISEASES											
Chickenpox	38e	3	6	7	6	3	6	5	7	1	6
Deaths											
Cases		12,648	16,498	10,510	11,717	14,272	15,926	16,294	13,293	15,437	15,540
Diphtheria	10	79	21	15	32	12	9	4	1	1	2
Deaths											
Cases		587	315	194	469	169	87	50	60	28	14
Dysentery	27	30	36	28	25	24	16	24	22	19	21
Deaths											
Cases†		152	204	324	236	326	502	617	781	882	766
Encephalitis	37	29	37	45	23	24	20	21	23	25	22
Deaths											
Cases		83	78	68	57	60	81	59	50	22	33
Influenza	33	650	535	501	242	245	138	78	108	111	103
Deaths											
Cases		2,096	1,439	1,018	349	1,125	172	311	422	243	161
Malaria	28	10	4	8	13	6	6	5	4	1	1
Deaths											
Cases		122	23	6	37	11	8	3	4	5	6
Measles	35	53	84	10	50	8	83	7	8	33	29
Deaths											
Cases		29,694	19,451	7,930	25,995	8,341	41,901	5,820	19,233	18,164	32,239
Meningitis (Meningococcus)	6	161	194	134	75	46	54	53	49	58	78
Deaths											
Cases		793	996	611	36	204	214	200	223	219	282
Mumps	44c	3	4	2	1	--	2	1	2	2	1
Deaths											
Cases		7,108	6,268	7,205	5,290	6,492	11,744	8,542	6,978	6,979	10,751
Paratyphoid	2	1	2	1	1	1	3	--	--	--	--
Deaths											
Cases		13	9	9	10	6	13	2	3	8	10
Pneumonia, all forms	107 - 109	3,209	2,772	2,931	2,846	3,076	2,622	2,812	2,549	2,550	2,665
Deaths											
Cases		11,419	8,567	6,813	6,287	4,754	5,070	4,966	3,959	2,977	2,831
Poliomyelitis	36	156	38	104	182	29	68	246	130	104	251
Deaths											
Cases		1,575	560	1,104	2,554	860	1,104	2,910	1,941	1,704	4,002
Rabies	38b	2	2	2	1	--	--	2	--	--	1
Deaths											
Cases		1	2	3	2	--	--	2	--	--	1
Rheumatic fever (acute)	58	78	70	72	60	49	43	34	32	36	30
Deaths											
Cases §		#	99	275	320	186	157	322	187	196	238
Rocky Mt. spotted fever	39c	2	2	--	3	4	2	3	3	1	--
Deaths											
Cases		12	13	18	41	31	17	15	13	6	7
Scarlet fever	8	21	24	24	8	1	--	2	--	1	--
Deaths											
Cases		6,989	11,731	10,521	6,397	4,063	4,512	3,991	2,086	2,810	3,854
Smallpox	34	--	--	--	--	--	--	--	--	--	--
Deaths											
Cases		68	12	12	6	2	--	--	--	--	--
Tetanus	12	31	21	19	12	8	9	11	7	6	4
Deaths											
Cases		44	30	32	37	30	20	37	21	22	33
Tuberculosis, all forms	13 - 22	3,326	3,197	3,159	3,020	2,845	2,657	2,518	2,221	1,904	1,670
Deaths											
Cases		8,740	7,967	6,305	6,587	7,772	6,982	7,956	7,630	6,949	4,481
Tularemia	26a	1	10	5	9	1	2	--	2	--	1
Deaths											
Cases		55	91	131	98	124	57	75	78	74	67
Typhoid fever	1	10	12	9	9	10	4	1	1	4	2
Deaths											
Cases		121	102	87	106	139	93	101	80	57	41
Undulant fever	5	6	5	4	2	6	5	1	1	--	1
Deaths											
Cases		306	322	324	478	554	513	514	442	445	294
Whooping cough	9	101	43	56	30	44	28	27	22	15	7
Deaths											
Cases		7,459	3,194	4,106	5,431	4,195	2,202	3,936	3,339	1,452	705
VENEREAL DISEASES											
Gonococcus infection	25	4	8	6	6	4	4	6	2	--	2
Deaths											
Cases §		21,580	22,580	27,117	37,956	32,794	28,725	25,080	21,037	23,810	19,874
Syphilis	30	866	855	796	758	682	614	631	558	492	494
Deaths											
Cases §		28,680	25,165	21,675	23,701	19,360	17,005	13,904	11,264	9,669	7,553

\*1952 figures are provisional.

†Intra-cranial lesions of vascular origin.

‡Amebiasis carriers included in the dysentery group, 1945-1952.

§The regulation requiring the reporting of rickettsial fever in downstate Illinois only, went into effect July 1, 1943.

#Not available.

¶Reduction in tuberculosis cases due primarily to policy change by City of Chicago as to criteria for counting cases. Cases reported for Chicago in 1952 were only 50 per cent of the 1951 figure. The 1952 State total will be increased when Chicago suspects are reclassified as cases.

‡Includes Out-of-State cases reported by downstate agencies.



## BASIC HEALTH STATISTICS: ILLINOIS RESIDENTS, 1943 - 1952

Table III. -- NATALITY, MORBIDITY, AND MORTALITY RATES

(Based on births and deaths of Illinois residents, and cases reported to Illinois health officers. The birth rate and rate for mortality all causes are per 1,000 population. Maternal and infant causes, except diarrhea and enteritis, are per 1,000 live births. All other rates are per 100,000 population. Population estimated for each year as of July 1.)

	International list number 5th revision 1939	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952*
LIVE BIRTHS		20.2	18.3	17.7	22.2	24.2	22.3	22.2	21.7	22.7	23.0
DEATHS - ALL CAUSES		12.0	11.5	11.6	11.4	11.6	11.0	10.9	10.6	10.5	10.6
MATERNAL AND INFANT CAUSES											
Maternal causes	140 - 150	2.0	1.8	1.8	1.4	1.0	0.8	0.8	0.7	0.6	0.5
Neonatal mortality	All causes	22.4	22.0	21.8	23.0	21.8	20.5	20.3	18.9	18.8	18.1
Infant mortality	All causes	33.3	32.7	31.8	30.3	29.0	27.7	27.4	25.6	25.0	24.9
Premature birth	159	11.1	9.5	10.0	11.4	10.2	10.6	10.0	9.0	8.9	8.7
Diarrhea and enteritis (Under 2 yrs.)	119	3.5	2.6	2.7	2.4	2.3	2.1	2.9	1.9	1.6	1.6
EXTERNAL CAUSES											
Accidents - all forms	169 - 195	67.5	66.9	68.0	71.5	74.5	69.8	63.9	62.0	64.2	66.9
Motor vehicle accidents	170	16.8	17.3	19.5	23.9	24.9	23.5	21.3	23.5	22.8	24.9
Homicide	165 - 168	3.9	4.0	4.6	6.0	5.2	5.8	4.9	4.7	4.3	4.5
Suicide	163 - 164	10.9	9.9	11.1	12.0	11.7	10.7	11.8	11.7	10.1	9.8
GENERAL CAUSES											
Appendicitis	121	6.8	6.8	5.3	4.5	3.9	3.3	3.0	2.8	2.4	2.1
Arteriosclerosis	97	20.1	20.1	21.2	19.7	17.9	16.9	17.9	17.8	18.4	16.7
Cancer	45 - 55	157.5	161.6	163.9	163.7	167.0	167.2	166.1	165.3	166.8	169.4
Cerebral hemorrhage†	83	95.0	89.1	94.1	91.1	93.3	87.6	85.3	87.6	90.4	90.3
Cirrhosis of the liver	124	11.9	11.5	11.6	12.7	14.4	14.6	14.7	15.3	14.6	15.3
Diabetes mellitus	61	34.1	34.4	35.1	32.9	34.5	33.7	34.2	36.0	36.2	37.0
Diarrhea and enteritis (2 yrs. & over)	120	1.8	1.7	1.2	1.2	1.3	0.9	1.1	1.0	1.0	1.0
Diseases of infancy, total	157 - 161	47.9	43.9	41.7	54.1	55.6	49.7	48.3	45.2	46.9	46.0
Goiter	63b	3.0	2.9	2.9	2.6	2.2	2.0	2.0	1.8	1.5	1.2
Heart disease	90 - 95	414.6	402.8	413.5	404.5	426.9	412.2	413.2	404.4	406.6	407.9
Hernia and intestinal obstruction	122	10.9	11.2	9.8	9.6	8.9	8.0	7.7	6.7	6.4	6.1
Nephritis	130 - 132	90.6	80.4	79.7	71.8	65.6	61.9	57.6	54.1	50.2	47.3
Prostatic disease	137	8.4	8.5	7.3	7.5	7.2	6.5	5.8	5.4	5.3	4.9
Stomach, duodenal ulcers	117	8.1	8.0	7.8	6.9	7.6	7.7	7.9	7.9	7.6	7.8
COMMUNICABLE DISEASES											
Chickenpox-----	Deaths	38e	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
	Cases		166.6	216.2	136.1	149.6	176.6	192.1	191.4	152.2	174.1
Diphtheria-----	Deaths	10	1.0	0.3	0.2	0.4	0.1	0.1	0.0	0.0	0.0
	Cases		7.7	4.1	2.5	6.0	2.1	1.0	0.6	0.7	0.3
Dysentery-----	Deaths	27	0.4	0.5	0.4	0.3	0.3	0.2	0.3	0.2	0.2
	Cases†		2.0	2.7	4.2	3.0	4.0	6.1	7.2	8.9	8.6
Encephalitis-----	Deaths	37	0.4	0.5	0.6	0.3	0.3	0.2	0.2	0.3	0.2
	Cases		1.1	1.0	0.9	0.7	0.7	1.0	0.7	0.6	0.4
Influenza-----	Deaths	33	8.6	7.0	4.5	3.1	3.0	1.7	0.9	1.2	1.3
	Cases		27.6	18.9	13.2	4.4	13.9	2.1	3.7	4.8	2.7
Malaria-----	Deaths	28	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0
	Cases		1.6	0.3	0.1	0.5	0.1	0.1	0.0	0.1	0.1
Measles-----	Deaths	35	0.7	1.1	0.1	0.6	0.1	1.0	0.1	0.4	0.3
	Cases		391.1	254.9	102.7	332.0	103.2	505.4	68.4	220.3	361.5
Meningitis (Meningococcus)	Deaths	6	2.1	2.5	1.7	1.0	0.6	0.7	0.6	0.7	0.9
	Cases		10.4	13.1	7.9	4.6	2.5	2.6	2.6	2.5	3.2
Mumps-----	Deaths	44c	0.0	0.1	0.0	0.0	-0-	0.0	0.0	0.0	0.0
	Cases		93.6	82.1	93.3	67.6	80.3	141.7	100.3	79.9	120.6
Paratyphoid-----	Deaths	2	0.0	0.0	0.0	0.0	0.0	-0-	-0-	-0-	-0-
	Cases		0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Pneumonia, all forms----	Deaths	107 - 109	42.3	36.3	38.0	36.2	38.1	31.6	33.0	29.2	28.8
	Cases		150.4	112.3	88.2	80.3	58.8	61.1	58.3	44.2	33.6
Poliomyelitis-----	Deaths	36	2.1	0.5	1.3	2.3	0.3	0.8	2.9	1.5	1.2
	Cases		20.8	7.3	14.3	32.6	10.6	13.3	34.2	22.2	19.2
Rabies-----	Deaths	38b	0.0	0.0	0.0	0.0	-0-	-0-	0.0	-0-	0.0
	Cases		0.0	0.0	0.0	0.0	-0-	-0-	0.0	-0-	0.0
Rheumatic fever (acute)---	Deaths	58	1.0	0.9	0.9	0.8	0.6	0.5	0.4	0.4	0.3
	Cases‡		#	5.2	3.6	4.1	2.3	1.9	3.3	2.1	2.2
Rocky Mt. spotted fever---	Deaths	39c	0.0	0.0	-0-	0.0	0.0	0.0	0.0	0.0	-0-
	Cases		0.2	0.2	0.2	0.5	0.4	0.2	0.2	0.1	0.1
Scarlet fever-----	Deaths	8	0.3	0.3	0.3	0.1	0.0	-0-	0.0	-0-	-0-
	Cases		92.0	153.7	136.3	81.7	50.3	54.4	46.9	23.9	31.7
Smallpox-----	Deaths	34	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
	Cases		0.9	0.2	0.2	0.1	0.0	-0-	-0-	-0-	-0-
Tetanus-----	Deaths	12	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0
	Cases		0.6	0.4	0.4	0.5	0.4	0.2	0.4	0.2	0.4
Tuberculosis, all forms----	Deaths	13 - 22	43.8	41.9	40.9	38.6	35.2	32.0	29.6	25.4	21.5
	Cases		115.1	104.4	81.7	84.1	96.2	84.2	93.5	87.4	78.4
Tularemia-----	Deaths	26a	0.0	0.1	0.1	0.1	0.0	0.0	-0-	0.0	-0-
	Cases		0.7	1.2	1.7	1.3	1.5	0.7	0.9	0.8	0.8
Typhoid fever-----	Deaths	1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
	Cases		1.6	1.3	1.1	1.4	1.7	1.1	1.2	0.9	0.6
Undulant fever-----	Deaths	5	0.1	0.1	0.1	0.0	0.1	0.1	0.0	-0-	0.0
	Cases		4.0	4.2	4.2	6.1	6.9	6.2	6.0	5.1	5.0
Whooping cough-----	Deaths	9	1.3	0.6	0.7	0.4	0.5	0.3	0.3	0.3	0.2
	Cases		98.2	41.9	53.2	69.4	59.3	26.6	46.2	38.2	16.4
VENEREAL DISEASES											
Gonococcus infection-----	Deaths	25	0.1	0.1	0.1	0.1	0.0	0.1	0.0	-0-	0.0
	Cases‡		284.2	295.9	351.2	484.7	405.8	346.5	294.6	240.9	268.6
Syphilis-----	Deaths	30	11.4	11.2	10.3	9.7	8.4	7.4	6.4	5.5	5.5
	Cases‡		377.7	329.8	280.7	302.7	239.5	205.1	163.3	129.0	84.7

\*1952 figures are provisional.

†Intracranial lesions of vascular origin.

‡Amebiasis carriers included in the dysentery group, 1945-1952.

§The regulation requiring the reporting of rheumatic fever in downstate Illinois only, went into effect July 1, 1943.

#Not available.

\*\*See footnote on Table II.

‡Includes Out-of-State cases reported by downstate agencies.

Table IV. -- BIRTHS AND DEATHS IN 1952 FOR COUNTIES AND THE LARGER CITIES

	Live Births		Stillbirths †		Deaths			Live Births		Stillbirths †		Deaths	
	Resident	Recorded	Res.	Rec.	Res.	Rec.		Res.	Rec.	Res.	Rec.	Res.	Rec.
ENTIRE STATE	205,444	202,315	3,275	3,295	94,173	92,868	CUMBERLAND	226	33	--	--	128	76
CHICAGO	82,724	82,884	1,399	1,411	41,128	37,469	DE KALB	950	1,096	14	14	435	450
DOWNSIDE	122,720	119,431	1,876	1,884	53,045	55,399	DE KALB CITY	298	568	3	8	128	169
ADAMS	1,360	1,608	13	17	913	992	DE WITT	389	277	4	3	206	159
QUINCY	932	1,604	11	17	606	791	DOUGLAS	371	423	6	7	192	171
ALEXANDER	420	786	11	19	290	337	DU PAGE	4,228	2,782	61	42	1,336	1,210
CAIRO	259	762	7	18	191	281	DOWNERS GROVE	374	1	4	--	123	44
BOND	301	3	3	--	155	78	ELMHURST	587	2,060	15	31	186	337
BOONE	421	514	3	7	222	209	WHEATON	363	5	3	--	103	56
BROWN	142	16	--	--	98	64	EDGAR	496	446	11	12	288	276
BUREAU	823	931	14	21	448	458	EDWARDS	160	30	3	1	114	65
CALHOUN	137	30	3	1	52	35	EFFINGHAM	554	501	6	2	227	203
CARROLL	465	374	7	6	214	168	FAYETTE	487	563	10	12	268	258
CASS	302	331	1	2	210	164	FORD	385	208	2	1	186	157
CHAMPAIGN	2,508	3,390	41	58	772	846	FRANKLIN	795	618	4	4	548	438
CHAMPAIGN CITY	998	1,003	11	12	303	326	WEST FRANKFORT	194	11	1	1	137	140
URBANA	612	1,380	12	22	175	299	FULTON	894	859	10	8	490	441
CHRISTIAN	881	965	12	12	416	368	CANTON	264	846	2	8	183	300
CLARK	320	34	1	1	204	138	GALLATIN	164	29	3	1	100	47
CLAY	370	441	8	11	170	138	GREENE	388	563	4	5	208	159
CLINTON	598	430	5	5	215	166	GRUNDY	497	387	7	5	211	171
COLES	833	1,049	19	19	492	479	HAMILTON	194	173	--	1	119	90
MATTOON	440	782	13	16	219	222	HANCOCK	546	396	11	5	352	245
COOK	105,773	104,126	1,729	1,715	49,240	47,519	HARDIN	150	119	6	7	78	61
BERWYN	890	2,065	15	29	516	572	HENDERSON	198	3	3	--	89	38
BLUE ISLAND	563	1,125	9	26	189	311	HENRY	1,071	1,053	14	18	550	486
BROOKFIELD	387	1	4	--	149	91	KEWANEE	349	776	4	13	214	267
BROOKFIELD	525	2	4	2	131	70	IROQUOIS	737	592	15	13	355	288
CALUMET CITY	767	1,636	14	25	235	331	JACKSON	779	1,093	17	23	416	417
CHICAGO HEIGHTS	1,305	5	21	2	649	314	CARBONDALE	205	658	3	10	101	167
CICERO	505	1	6	--	132	56	JASPER	282	85	2	1	130	65
DES PLAINES	421	2	5	--	142	63	JEFFERSON	729	790	11	12	381	374
ELMWOOD PARK	1,544	4,749	20	61	770	1,164	MT. VERNON	380	768	5	12	217	286
EVANSTON	348	4,385	5	48	93	586	JERSEY	353	28	6	1	156	102
EVERGREEN PARK	346	2	7	1	182	113	JO DAVIES	535	8	4	2	271	159
FOREST PARK	616	1,470	10	25	204	201	JOHNSON	168	55	2	2	104	75
HARVEY	429	2	5	--	150	58	KANE	3,663	5,773	51	90	1,580	2,378
LA GRANGE	597	6	9	--	300	154	AURORA	1,515	2,825	15	39	594	740
MAYWOOD	518	743	11	9	117	184	ELGIN	863	2,069	21	41	447	1,205
MELROSE PARK	1,092	4,904	18	68	743	920	KANKAKEE	1,640	1,711	28	25	647	1,544
OAK PARK	394	2	6	1	151	80	KANKAKEE CITY	666	1,624	7	23	320	399
PARK RIDGE	147	2	3	--	105	54	KENDALL	294	4	4	1	135	92
RIVER FOREST	597	1	7	--	126	44							
SKOKIE	306	--	4	--	201	147							
WILMETTE	191	1	5	--	104	53							
WINNETKA	399	364	4	5	235	197							
CRAWFORD													

See footnotes at end of table.



Table IV. -- BIRTHS AND DEATHS IN 1952 FOR COUNTIES AND THE LARGER CITIES, Continued

	Live Births		Stillbirths †		Deaths			Live Births		Stillbirths †		Deaths	
	Resident	Recorded	Res.	Rec.	Res.	Rec.		Res.	Rec.	Res.	Rec.	Res.	Rec.
KNOX	1,176	1,207	16	15	623	609	PIKE	458	387	8	4	260	210
GALESBURG	710	1,203	9	15	385	479	POPE	91	17	2	1	63	37
LAKE	5,233	6,363	94	114	1,585	1,715	PULASKI	294	112	8	4	165	94
HIGHLAND PARK	385	520	8	7	144	150	PUTNAM	114	--	3	--	59	29
WAUKEGAN	1,149	1,346	20	27	389	301	RANDOLPH	597	865	7	12	350	391
LA SALLE	2,364	2,606	26	29	1,155	1,085	RICHLAND	348	467	3	5	182	218
LA SALLE CITY	235	435	2	3	137	157	ROCK ISLAND	3,357	3,433	57	58	1,397	1,626
OTTAWA	464	812	7	11	226	231	EAST MOLINE	321	6	7	--	124	343
STREATOR	496	919	7	12	227	273	MOLINE	1,093	2,510	19	46	464	641
LAWRENCE	366	368	6	7	219	216	ROCK ISLAND	1,136	913	17	12	558	448
LEE	723	760	7	8	365	546	ST. CLAIR	5,669	5,281	88	99	2,234	2,085
DIXON	305	670	3	8	143	221	BELLEVILLE	1,135	1,311	16	23	394	492
LIVINGSTON	831	815	8	7	406	498	E. ST. LOUIS	2,218	2,881	35	58	1,065	1,119
LOGAN	565	607	13	14	304	417	SALINE	543	877	6	8	391	407
LINCOLN	248	604	6	14	149	292	HARRISBURG	181	462	4	4	119	154
MC DONOUGH	570	580	19	18	348	352	SANGAMON	3,204	3,711	46	57	1,500	1,753
MACOMB	236	144	11	4	140	88	SPRINGFIELD	1,861	3,705	29	57	1,012	1,536
MC HENRY	1,319	780	28	21	560	467	SCHUYLER	187	150	2	1	109	85
MC LEAN	1,804	2,061	29	30	842	806	SCOTT	147	1	2	--	88	37
BLOOMINGTON	846	1,795	14	23	468	543	SHELBY	526	365	8	6	271	194
MACON	2,490	2,851	29	33	966	1,092	STARK	197	2	4	--	98	43
DECATUR	1,851	2,851	22	33	730	963	STEPHENSON	927	1,296	14	23	487	515
MACOUPIN	886	337	17	5	582	363	FREESPORT	514	1,288	5	23	305	421
MADISON	4,938	4,595	100	98	1,747	1,861	TAZEWELL	2,296	892	40	16	623	431
ALTON	843	1,894	15	47	394	594	PEKIN	572	877	6	16	219	220
COLLINSVILLE	353	2	5	--	146	64	UNION	321	384	4	4	199	426
GRANITE CITY	902	1,268	24	35	263	289	VERMILION	2,041	2,257	39	44	1,017	1,043
WOOD RIVER	289	4	2	--	67	24	DANVILLE	989	2,233	19	43	536	639
MARION	885	1,056	13	16	497	486	WABASH	323	382	--	2	149	159
CENTRALIA	319	679	7	12	184	242	WARREN	423	584	3	7	255	272
MARSHALL	287	2	7	--	168	78	MONMOUTH	191	409	3	5	144	186
MASON	310	12	4	--	164	66	WASHINGTON	260	22	4	1	189	149
MASSAC	354	284	2	3	180	167	WAYNE	416	580	7	14	204	233
MENARD	172	10	3	--	119	51	WHITE	422	76	10	1	265	163
MERCER	382	274	5	5	202	147	WHITESIDE	1,387	1,272	14	11	522	455
MONROE	270	1	5	--	154	79	STERLING	349	949	1	4	156	223
MONTGOMERY	645	929	15	17	391	478	WILL	3,253	3,244	60	59	1,391	1,364
MORGAN	624	936	9	17	404	798	JOLIET	1,940	3,234	28	55	755	933
JACKSONVILLE	330	928	5	17	225	720	WILLIAMSON	854	634	12	8	587	619
MOULTRIE	282	24	2	1	204	138	MARION	208	16	6	3	127	80
OGLE	807	428	19	8	356	283	WINNEBAGO	4,479	4,274	60	61	1,428	1,322
PEORIA	4,363	6,119	66	101	1,753	2,166	ROCKFORD	2,450	4,259	37	61	1,012	1,038
PEORIA CITY	2,689	6,074	40	99	1,243	1,556	WOODFORD	578	11	10	--	232	146
PERRY	389	483	3	4	252	240							
PIATT	314	161	3	1	170	107							

Note: "Resident" refers to births and deaths among residents of the area. "Recorded" refers to the births and deaths that took place in the area, irrespective of where the persons concerned may have usually resided.

\*The State totals include 7 live births, 13 stillbirths, and 96 deaths for which the specific place of residence within the State was not reported.

†Fetus having advanced to 5th month of uterogestation.

Table V -- RESIDENT BIRTH, STILLBIRTH, AND DEATH RATES: SIX MAJOR REGIONS OF ILLINOIS, 1952

(Birth and death rates are per 1,000 population. Stillbirth rates are per 1,000 live births.)

Area	Estimated Population as of July 1, 1952	Live Birth Rate	Stillbirth Rate	Death Rate	Area	Estimated Population as of July 1, 1952	Live Birth Rate	Stillbirth Rate	Death Rate
<b>REGION I</b>									
CHICAGO METROPOLITAN	5,261,900	23.2	16.3	10.5	WINNEBAGO COUNTY	160,000	28.0	13.4	8.9
COOK COUNTY	4,604,400	23.0	16.3	10.7	ROCKFORD	105,000	23.3	15.1	9.6
BERWYN	52,000	17.1	16.9	9.9	<b>REGION III</b>				
BLUE ISLAND	18,100	31.1	16.0	10.4	PEORIA METROPOLITAN	261,200	25.5	15.9	9.1
BROOKFIELD	16,500	23.5	10.3	9.0	PEORIA COUNTY	180,200	24.2	15.1	9.7
CALUMET CITY	16,300	32.2	7.6	8.0	PEORIA CITY	114,000	23.6	14.9	10.9
CHICAGO	3,686,900	22.4	16.9	11.2	TAZEWELL COUNTY	81,000	28.3	17.4	7.7
CHICAGO HEIGHTS	25,300	30.3	18.3	9.3	PEKIN	21,000	27.2	10.5	10.4
CICERO	68,500	19.1	16.1	9.5	<b>REGION IV CENTRAL</b>	1,398,350	21.9	15.1	11.1
DES PLAINES	15,700	32.2	11.9	8.4	ADAMS COUNTY	64,800	21.0	9.6	14.1
ELMWOOD PARK	19,600	21.5	11.9	7.2	QUINCY	41,600	22.4	11.8	14.6
EVANSTON	74,200	20.8	13.0	10.4	BROWN COUNTY	7,050	20.1	-0-	13.9
EVERGREEN PARK	11,000	31.6	14.4	8.5	CALHOUN COUNTY	6,700	20.4	21.9	7.8
FOREST PARK	15,100	22.9	20.2	12.1	CASS COUNTY	14,950	20.2	3.3	14.0
HARVEY	21,300	28.9	16.2	9.6	CHAMPAIGN COUNTY	112,700	22.3	16.3	6.9
LA GRANGE	12,500	34.3	11.7	12.0	CHAMPAIGN CITY	42,950	23.2	11.0	7.1
MAYWOOD	27,800	21.5	15.1	10.8	URBANA	24,600	24.9	19.6	7.1
MELROSE PARK	14,000	37.0	21.2	8.4	CHRISTIAN COUNTY	39,100	22.5	13.6	10.6
OAK PARK	63,700	17.1	16.5	11.7	CLARK COUNTY	17,000	18.8	3.1	12.0
PARK RIDGE	17,700	22.3	15.2	8.5	COLES COUNTY	41,100	20.3	22.8	12.0
RIVER FOREST	10,900	13.5	20.4	9.6	MATTOON	17,950	24.5	29.5	12.2
SKOKIE	15,700	38.0	11.7	8.0	CUMBERLAND COUNTY	10,400	21.7	-0-	12.3
WILMETTE	18,400	16.6	13.1	10.9	DE WITT COUNTY	16,750	23.2	10.3	12.3
WINNETKA	12,100	15.8	26.2	8.6	DOUGLAS COUNTY	16,650	22.3	16.2	11.5
DU PAGE COUNTY	167,700	25.2	14.4	8.0	EOGAR COUNTY	23,650	21.0	22.2	12.2
DOWNERS GROVE	12,650	29.6	10.7	9.7	FORO COUNTY	16,100	23.9	5.2	11.6
ELMHURST	23,800	24.7	25.6	7.8	FULTON COUNTY	43,800	20.4	11.2	11.2
WHEATON	12,950	28.0	8.3	8.0	CANTON	12,050	21.9	7.6	15.2
KANE COUNTY	156,600	23.4	13.9	10.1	GREENE COUNTY	18,700	20.7	10.3	11.1
AURORA	51,900	29.2	9.9	11.4	HANCOCK COUNTY	25,700	21.2	20.1	13.7
ELGIN	43,610	19.8	24.3	10.2	HENDERSON COUNTY	8,350	23.7	15.2	10.7
LAKE COUNTY	193,700	27.0	18.0	8.2	IROQUOIS COUNTY	32,600	22.6	20.4	10.9
HIGHLAND PARK	17,500	22.0	20.8	8.2	JERSEY COUNTY	15,650	22.6	17.0	10.0
WAUKEGAN	40,600	28.3	17.4	9.6	KNOX COUNTY	55,000	21.4	13.6	11.3
WILL COUNTY	139,500	23.3	18.4	10.0	GALESBURG	32,050	22.2	12.7	12.0
JOLIET	54,100	35.9	14.4	14.0	LIVINGSTON COUNTY	37,800	22.0	9.6	10.7
<b>REGION II</b>					LOGAN COUNTY	31,350	18.0	23.0	9.7
<b>NORTHERN REGION</b>	916,300	24.2	14.6	10.3	LINCOLN	14,550	17.0	24.2	10.2
BOONE COUNTY	17,500	24.1	7.1	12.7	MC DONOUGH COUNTY	28,500	20.0	33.3	12.2
BUREAU COUNTY	37,800	21.8	17.0	11.9	MACOMB	10,700	22.1	46.6	13.1
CARROLL COUNTY	19,250	24.2	15.1	11.1	MC LEAN COUNTY	77,500	23.3	16.1	10.9
DE KALB COUNTY	42,300	22.5	14.7	10.3	BLOOMINGTON	34,700	24.4	16.5	13.5
DE KALB CITY	12,100	24.6	10.1	10.6	MACON COUNTY	104,000	23.9	11.6	9.3
GRUNDY COUNTY	19,500	25.5	14.1	10.8	DECATUR	68,400	27.1	11.9	10.7
HENRY COUNTY	47,250	22.7	13.1	11.6	MACOUPIN COUNTY	43,650	20.3	19.2	13.3
KEWANEE	16,950	20.6	11.5	12.6	MARSHALL COUNTY	13,050	22.0	24.4	12.9
JO DAVIESS COUNTY	21,750	24.6	7.5	12.5	MASON COUNTY	15,350	20.2	12.9	10.7
KANKAKEE COUNTY	75,500	21.7	17.1	8.6	MCNARD COUNTY	9,500	18.1	17.4	12.5
KANKAKEE CITY	26,700	24.9	10.5	12.0	MERCER COUNTY	17,400	22.0	13.1	11.6
KENDALL COUNTY	12,350	23.8	13.6	10.9	MONTGOMERY COUNTY	32,200	20.0	23.3	12.1
LA SALLE COUNTY	101,800	23.2	11.0	11.3	MORGAN COUNTY	36,000	17.3	14.4	11.2
LA SALLE CITY	12,200	19.3	8.5	11.2	JACKSONVILLE	20,600	16.0	15.2	10.9
OTTAWA	17,300	26.8	15.1	13.1	MOULTRIE COUNTY	13,150	21.4	7.1	15.5
STREATOR	16,850	29.4	14.1	13.5	PIATT COUNTY	13,900	22.6	9.6	12.2
LEE COUNTY	37,100	19.5	9.7	9.8	PIKE COUNTY	21,850	21.0	17.5	11.9
DIXON	11,750	26.0	9.8	12.2	SANGAMON COUNTY	134,400	23.8	14.4	11.2
MC HENRY COUNTY	53,500	24.7	21.2	10.5	SPRINGFIELD	83,300	22.3	15.6	12.1
OGLE COUNTY	34,250	23.6	23.5	10.4					
PUTNAM COUNTY	4,650	24.5	26.3	12.7					
ROCK ISLAND COUNTY	138,800	24.2	17.0	10.1					
EAST MOLINE	14,350	22.4	21.8	8.6					
MOLINE	38,550	28.4	17.4	12.0					
ROCK ISLAND CITY	50,100	22.7	15.0	11.1					
STEPHENSON COUNTY	42,000	22.1	15.1	11.6					
FREEPORT	22,650	22.7	9.7	13.5					
WHITESIDE COUNTY	51,000	27.2	10.1	10.2					
STERLING		26.3	2.9	11.8					



Table V. -- RESIDENT BIRTH, STILLBIRTH, AND DEATH RATES: SIX MAJOR REGIONS OF ILLINOIS, 1952, Continued

(Birth and death rates are per 1,000 population. Stillbirth rates are per 1,000 live births.)

Area	Estimated Population as of July 1, 1952	Live Birth Rate	Stillbirth Rate	Death Rate	Area	Estimated Population as of July 1, 1952	Live Birth Rate	Stillbirth Rate	Death Rate
SCHUYLER COUNTY	9,350	20.0	10.7	11.7	GALLATIN COUNTY	9,700	16.9	18.3	10.3
SCOTT COUNTY	7,050	20.9	13.6	12.5	HAMILTON COUNTY	12,200	15.9	-0-	9.8
SHELBY COUNTY	24,200	21.7	15.2	11.2	HAROLD COUNTY	7,500	20.0	40.0	10.4
STARK COUNTY	8,700	22.6	20.3	11.3	JACKSON COUNTY	38,350	20.3	21.8	10.8
VERMILION COUNTY	88,700	23.0	19.1	11.5	CARBONDALE	11,100	18.5	14.6	9.1
DANVILLE	38,300	25.8	19.2	14.0	JASPER COUNTY	12,000	23.5	7.1	10.8
WARREN COUNTY	22,100	19.1	7.1	11.5	JEFFERSON COUNTY	36,300	20.1	15.1	10.5
MONMOUTH	10,350	18.5	15.7	13.9	MT. VERNON	15,850	24.0	13.2	13.7
WOODFORD COUNTY	21,900	26.4	17.3	10.6	JOHNSON COUNTY	8,600	19.5	11.9	12.1
REGION V					LAWRENCE COUNTY	20,500	17.9	16.4	10.7
ST. LOUIS METROPOLITAN	405,900	26.1	17.7	9.8	MARION COUNTY	41,200	21.5	14.7	12.1
MAISON COUNTY	190,800	25.9	20.3	9.2	CENTRALIA	13,150	24.3	21.9	14.0
ALTON	33,400	25.2	17.8	11.8	MASSAC COUNTY	13,500	26.2	5.6	13.3
COLLINSVILLE	12,250	28.8	14.2	11.9	MONROE COUNTY	13,350	20.2	18.5	11.5
GRANITE CITY	31,300	28.8	26.6	8.4	PERRY COUNTY	21,500	18.1	7.7	11.7
WOOD RIVER	10,700	27.0	6.9	6.3	POPE COUNTY	5,650	16.1	22.0	11.2
ST. CLAIR COUNTY	215,100	26.4	15.5	10.4	PULASKI COUNTY	13,400	21.9	27.2	12.3
BELLEVILLE	34,100	33.3	14.1	11.6	RANDOLPH COUNTY	31,450	19.0	11.7	11.1
E. St. Louis	84,450	26.3	15.8	12.6	RICHLAND COUNTY	16,900	20.6	8.6	10.8
REGION VI SOUTHERN	674,350	19.7	14.1	11.3	SALINE COUNTY	33,100	16.4	11.0	11.8
ALEXANDER COUNTY	20,100	20.9	26.2	14.4	HARRISBURG	11,000	16.5	22.1	10.8
CAIRO	12,200	21.2	27.0	15.7	UNION COUNTY	20,700	15.5	12.5	9.6
BONO COUNTY	14,150	21.3	10.0	11.0	WABASH COUNTY	14,800	21.8	-0-	10.1
CLAY COUNTY	17,450	21.2	21.6	9.7	WASHINGTON COUNTY	14,350	18.1	15.4	13.2
CLINTON COUNTY	23,000	26.0	8.4	9.3	WAYNE COUNTY	20,900	19.9	16.8	9.8
CRAWFORD COUNTY	21,150	18.9	10.0	11.1	WHITE COUNTY	21,100	20.0	23.7	12.6
EDWARDS COUNTY	9,050	17.7	18.8	12.6	WILLIAMSON COUNTY	48,200	17.7	14.1	12.2
EFFINGHAM COUNTY	21,700	25.5	10.8	10.5	MARION	10,500	19.8	28.8	12.1
FAYETTE COUNTY	24,200	20.1	20.5	11.1					
FRANKLIN COUNTY	48,300	16.5	5.0	11.3					
WEST FRANKFORT	11,350	17.1	5.2	12.1					

Table VI. -- CRUDE MORTALITY RATES FOR SELECTED CAUSES OF DEATH AMONG RESIDENTS OF THE SIX MAJOR REGIONS OF ILLINOIS, 1952

(Rates are provisional and per 100,000 population)

Causes	State Rate	R E G I O N					
		I	II	III	IV	V	VI
All causes	1056	1047	1033	910	1111	981	1126
Heart disease	408	421	369	322	416	351	399
Cancer	169	176	160	141	172	133	159
Intracranial lesions of vascular origin	90	79	103	85	115	86	115
Motor vehicle accidents	25	22	29	24	28	29	35
Other accidents	42	36	47	46	51	51	55
Nephritis	47	43	53	41	56	46	60
Diseases of infancy	46	45	51	49	42	58	44
Diabetes mellitus	37	38	37	29	39	28	38
Pneumonia and influenza	31	32	28	23	29	31	34
Tuberculosis	19	24	10	10	11	14	14
Cirrhosis of the liver	15	18	11	14	10	13	8

## STATE OF ILLINOIS

WILLIAM G. STRATTON  
GOVERNOR

## DEPARTMENT OF PUBLIC HEALTH

ROLAND R. CROSS, M.D.  
DIRECTOR*Health Statistics*  
**BULLETIN**

RELEASED FOR THE USE OF PROFESSIONAL WORKERS IN HEALTH

ADDRESS MAIL FOR THE HEALTH STATISTICS BULLETIN TO  
O. K. SAGEN, PH.D., CHIEF

BUREAU OF STATISTICS

## CONTINUED FROM PAGE 1

zation of the general death rate during the last three years indicates continued improvement, since the proportion of the population in the older age groups, where mortality is the highest, has continued to increase each year.

Life tables for Illinois based on deaths during 1949-1951, and the estimated population as of July 1, 1950, indicate that several years have been added to the average length of life during the past decade. The average length of life increased from 62.86 to 66.08 years for white males; from 67.46 to 71.72 for white females; from 52.26 to 58.02 for nonwhite males; and from 55.56 to 62.07 for nonwhite females. (The 1939-1941 figures for whites are from tables prepared by the Metropolitan Life Insurance Company for each State; the nonwhite figures are those shown for Negroes in the U.S. Life Tables prepared by the Bureau of the Census, and all 1949-1951 figures are from life tables prepared by the Illinois Bureau of Statistics.) This increase in longevity coupled with the current high fertility is resulting in a more rapid increase in population than was anticipated

ten to twenty years ago, with heavy increases both in the very young and in the group over 65 years of age.

The causes of death which claimed the greatest number of lives in 1952, were the same as in 1951. (See Table VII.) Heart disease, cancer, and intracranial lesions of vascular origin continue to be the three leading causes of death accounting for more than sixty per cent of all deaths. The crude mortality rates for heart disease, cancer, accidents, diabetes, acute respiratory diseases, and cirrhosis of the liver all show slight increases over 1951 rate, while the rates for nephritis, tuberculosis, arteriosclerosis, and the diseases of infancy are lower than in 1951. Little change in the rate for intracranial lesions of vascular origin was noted in 1952.

Deaths due to the controllable communicable diseases have in most instances been reduced. During 1952, no deaths were reported due to paratyphoid, Rocky Mountain spotted fever, scarlet fever, or smallpox. This is the fifth consecutive year that no cases of smallpox have occurred in Illinois, and the fourteenth

CONTINUED ON PAGE 16

Table VII. -- NUMBER OF RESIDENT DEATHS AND CRUDE MORTALITY RATES FOR PRINCIPLE CAUSES: ILLINOIS, 1952, 1951, AND 1950

Cause Group	Int. List No. 5th Rev.	Number			Rate*		
		1952**	1951	1950	1952**	1951	1950
All causes		94,173	93,254	92,260	10.6	10.5	10.6
Heart disease	90-95	36,380	36,053	35,311	407.9	406.6	404.4
Cancer	45-55	15,103	14,786	14,430	169.4	166.8	165.3
Intracranial lesions of vascular origin	83	8,053	8,017	7,648	90.3	90.4	87.6
Motor vehicle accidents	170	2,220	2,024	2,050	24.9	22.8	23.5
Other accidents	169, 171-195	3,747	3,672	3,364	42.0	41.4	38.5
Nephritis	130-132	4,214	4,448	4,720	47.3	50.2	54.1
Diseases of infancy	157-161	4,104	4,157	3,950	46.0	46.9	45.2
Diabetes mellitus	61	3,299	3,206	3,140	37.0	36.2	36.0
Pneumonia and influenza	33, 107-109	2,768	2,661	2,657	31.0	30.0	30.4
Tuberculosis, all forms	13-22	1,670	1,904	2,221	18.7	21.5	25.4
Arteriosclerosis	97	1,493	1,631	1,552	16.7	18.4	17.8
Cirrhosis of the liver	124	1,362	1,296	1,333	15.3	14.6	15.3
All other causes	Residual	9,760	9,399	9,884	109.4	106.0	113.2

\*Rates are per 1,000 mid year estimated population for All Causes and per 100,000 for selected cause groups.

\*\*1952 figures are provisional.



Table VIII. -- DEATHS OF ILLINOIS RESIDENTS ACCORDING TO CAUSE, 1952

(Provisional Report)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	94,173	3,721	5,115	6,062	864	1,413	6,883	27,515	51,436	19,841
SELECTED CAUSES OF DEATH	89,885	3,657	4,918	5,707	720	1,268	6,249	26,267	49,675	18,859
Diseases of infancy, total	4,104	3,449	3,849	3,948	43	25	53	31	4	896
Premature birth	1,795	1,781	1,795	1,795	xxx	xxx	xxx	xxx	xxx	344
Maternal causes, total	98	xxx	xxx	xxx	--	34	63	1	xxx	28
Puerperal septicemia	30	xxx	xxx	xxx	--	9	20	1	xxx	8
Puerperal toxemia	27	xxx	xxx	xxx	--	12	15	--	xxx	8
Communicable diseases, total	5,477	167	735	1,009	194	173	791	1,458	1,852	994
Acute respiratory diseases, total	2,768	162	664	816	47	37	164	477	1,227	599
Influenza	103	1	12	17	2	2	4	16	62	43
Pneumonia	2,665	161	652	799	45	35	160	461	1,165	556
Diphtheria	2	--	--	1	1	--	--	--	--	--
Dysentery—all forms	21	--	3	4	4	--	4	5	4	6
Encephalitis—infectious	22	--	2	3	2	1	5	5	6	4
Measles	29	--	8	17	8	--	1	2	1	9
Meningitis—meningococcus	78	1	19	49	9	3	5	8	4	19
Pertussis (whooping cough)	7	--	3	6	--	1	--	--	--	4
Poliomyelitis	251	1	8	32	85	43	85	6	--	65
Rheumatic fever	30	--	--	2	14	5	5	2	2	8
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	494	1	1	1	1	2	40	257	193	75
Tuberculosis—all forms	1,670	--	20	67	20	76	459	662	386	180
Pulmonary tuberculosis	1,486	--	6	14	6	63	426	618	359	160
Other communicable diseases	105	2	7	11	3	5	23	34	29	25
Accidents—all forms, total	5,967	15	135	385	300	638	1,161	1,337	2,146	1,586
Motor vehicle	2,220	--	10	90	118	423	607	578	404	644
Home	1,949	9	111	237	55	36	159	272	1,190	450
Occupational	440	xxx	xxx	xxx	--	47	145	174	74	152
Public	1,358	6	14	58	127	132	250	313	478	340
Arteriosclerosis	1,493	xxx	xxx	xxx	--	--	2	102	1,389	434
Cancer	15,103	--	6	56	56	80	1,040	6,011	7,860	2,901
Diabetes	3,299	--	2	6	10	15	112	1,070	2,086	642
Diseases of digestive system, total	3,881	19	165	226	59	46	443	1,573	1,534	734
Appendicitis	189	--	--	3	18	11	34	62	61	46
Cirrhosis of the liver	1,362	--	1	1	3	7	217	696	438	174
Diarrhea and enteritis	232	13	125	150	8	6	16	26	26	49
Hernia and intestinal obstruction	543	3	25	36	4	8	36	156	303	132
Ulcers of stomach or duodenum	699	2	4	5	3	2	68	302	319	126
Goiter—exophthalmic	104	--	--	--	--	4	10	48	42	26
Heart disease, total	36,380	3	9	24	20	80	1,608	11,134	23,514	7,231
Coronary	11,911	--	1	3	1	11	695	5,027	6,174	2,749
Chronic rheumatic	1,440	--	--	--	12	46	288	597	497	293
Homicide	400	3	6	12	4	70	213	87	14	29
Intracranial lesions of vascular origin	8,053	1	7	24	3	18	245	2,020	5,743	1,949
Nephritis	4,214	--	4	17	29	39	292	996	2,841	1,019
Prostatic disease	441	--	--	--	--	--	1	48	392	139
Suicide	872	xxx	xxx	xxx	2	46	215	351	258	251
ALL OTHER KNOWN CAUSES	4,260	62	195	351	143	144	625	1,244	1,753	975
CAUSE AS YET UNASSIGNED	27	2	2	4	1	1	9	4	8	7

\*Includes 96 deaths of unknown residence in Illinois, which are not footnoted in the following regional tables.

Table IX. -- DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1952

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	55,132	2,192	3,000	3,538	463	814	4,631	18,579	27,107	2,754
SELECTED CAUSES OF DEATH	52,776	2,155	2,885	3,345	389	715	4,222	17,817	26,288	2,618
Diseases of infancy, total	2,387	2,016	2,243	2,294	21	14	31	25	2	138
Premature birth	1,080	1,074	1,080	1,080	xxx	xxx	xxx	xxx	xxx	58
Maternal causes, total	52	xxx	xxx	xxx	--	20	31	1	xxx	5
Puerperal septicemia	15	xxx	xxx	xxx	--	6	8	1	xxx	1
Puerperal toxemia	14	xxx	xxx	xxx	--	8	6	--	xxx	2
Communicable diseases, total	3,498	121	482	665	116	128	603	1,015	971	147
Acute respiratory diseases, total	1,681	118	443	549	27	26	122	325	632	100
Influenza	22	--	3	5	1	1	4	2	9	3
Pneumonia	1,659	118	440	544	26	25	118	323	623	97
Diphtheria	1	--	--	--	1	--	--	--	--	--
Dysentery—all forms	9	--	1	1	3	--	1	3	1	--
Encephalitis—infectious	13	--	1	2	2	--	3	3	3	--
Measles	14	--	4	10	3	--	--	1	--	1
Meningitis—meningococcus	44	--	6	23	6	1	5	5	4	1
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	144	--	4	16	49	24	53	2	--	16
Rheumatic fever	17	--	--	1	10	3	2	1	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	286	1	1	1	1	2	27	158	97	11
Tuberculosis—all forms	1,242	--	18	58	13	70	377	500	224	14
Pulmonary tuberculosis	1,100	--	6	12	3	60	350	468	207	12
Other communicable diseases	47	2	4	4	1	2	13	17	10	3
Accidents—all forms, total	3,026	5	53	190	133	301	634	772	996	236
Motor vehicle	1,144	--	3	45	54	197	302	322	224	126
Home	997	4	47	124	24	22	110	166	551	53
Occupational	186	xxx	xxx	xxx	--	18	61	82	25	13
Public	699	1	3	21	55	64	161	202	196	44
Arteriosclerosis	584	xxx	xxx	xxx	--	--	2	59	523	39
Cancer	9,242	--	6	35	41	54	676	4,047	4,389	422
Diabetes	1,981	--	1	3	4	5	73	739	1,157	98
Diseases of digestive system, total	2,412	10	87	115	37	19	311	1,089	841	98
Appendicitis	108	--	--	1	12	3	21	41	30	5
Cirrhosis of the liver	971	--	--	--	2	4	168	538	259	27
Diarrhea and enteritis	116	4	61	70	6	4	8	13	15	4
Hernia and intestinal obstruction	296	3	15	22	2	4	18	89	161	19
Ulcers of stomach or duodenum	433	2	4	5	2	1	44	196	185	19
Goiter—exophthalmic	55	--	--	--	--	--	8	32	15	4
Heart disease, total	22,175	1	4	9	13	61	1,202	7,764	13,126	1,015
Coronary	6,624	--	--	1	--	6	490	3,186	2,941	382
Chronic rheumatic	845	--	--	--	10	35	203	383	214	39
Homicide	315	1	2	6	2	60	169	68	10	4
Intracranial lesions of vascular origin	4,155	1	4	15	2	10	168	1,316	2,644	220
Nephritis	2,249	--	3	13	18	21	200	663	1,334	140
Prostatic disease	195	--	--	--	--	--	1	36	158	16
Suicide	450	xxx	xxx	xxx	2	22	113	191	122	36
ALL OTHER KNOWN CAUSES	2,346	37	115	193	73	99	405	759	817	136
CAUSE AS YET UNASSIGNED	10	--	--	--	1	--	4	3	2	--



Table X. -- DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1952

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	9,462	424	559	664	93	157	568	2,243	5,737	3,655
SELECTED CAUSES OF DEATH	9,013	420	540	622	83	147	511	2,127	5,523	3,473
Diseases of infancy, total	469	398	442	456	6	3	3	1	--	194
Premature birth	186	181	186	186	xxx	xxx	xxx	xxx	xxx	68
Maternal causes, total	7	xxx	xxx	xxx	--	3	4	--	xxx	4
Puerperal septicemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	453	13	57	73	13	11	37	117	202	153
Acute respiratory diseases, total	260	13	53	59	1	2	11	44	143	91
Influenza	10	--	1	1	--	--	--	2	7	4
Pneumonia	250	13	52	58	1	2	11	42	136	87
Diphtheria	1	--	--	1	--	--	--	--	--	--
Dysentery—all forms	7	--	1	2	1	--	2	1	1	3
Encephalitis—infectious	2	--	--	--	--	--	--	1	1	1
Measles	5	--	1	1	4	--	--	--	--	1
Meningitis—meningococcus	3	--	1	2	--	1	--	--	--	3
Pertussis (whooping cough)	3	--	--	2	--	1	--	--	--	1
Poliomyelitis	20	--	1	4	3	4	8	1	--	8
Rheumatic fever	3	--	--	--	1	--	2	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	47	--	--	--	--	--	--	26	21	9
Tuberculosis—all forms	93	--	--	--	2	3	14	41	33	33
Pulmonary tuberculosis	84	--	--	--	1	--	11	41	31	30
Other communicable diseases	9	--	--	2	1	--	--	3	3	3
Accidents—all forms, total	697	6	19	56	43	97	124	123	254	287
Motor vehicle	263	--	2	12	14	68	71	57	41	107
Home	213	3	13	27	9	4	12	25	136	78
Occupational	58	xxx	xxx	xxx	--	11	18	15	14	31
Public	163	3	4	17	20	14	23	26	63	71
Arteriosclerosis	194	xxx	xxx	xxx	--	--	--	4	190	74
Cancer	1,467	--	--	3	7	6	114	466	871	550
Diabetes	335	--	1	2	3	2	16	95	217	136
Diseases of digestive system, total	374	2	16	21	6	5	34	133	175	141
Appendicitis	16	--	--	--	1	1	1	4	9	10
Cirrhosis of the liver	104	--	--	--	--	1	8	45	50	39
Diarrhea and enteritis	23	2	10	13	--	1	2	4	3	8
Hernia and intestinal obstruction	60	--	5	5	1	1	6	17	30	26
Ulcers of stomach or duodenum	79	--	--	--	--	--	10	34	35	22
Goiter—exophthalmic	16	--	--	--	--	1	--	7	8	8
Heart disease, total	3,378	1	2	4	--	4	105	854	2,411	1,309
Coronary	1,391	--	--	--	--	1	67	510	813	516
Chronic rheumatic	136	--	--	--	--	2	19	50	65	42
Homicide	14	--	--	1	--	1	8	4	--	4
Intracranial lesions of vascular origin	943	--	3	5	--	2	16	181	739	354
Nephritis	486	--	--	1	5	3	21	95	361	174
Prostatic disease	64	--	--	--	--	--	--	2	62	35
Suicide	116	xxx	xxx	xxx	--	9	29	45	33	50
ALL OTHER KNOWN CAUSES	443	4	19	41	10	10	54	115	213	179
CAUSE AS YET UNASSIGNED	6	--	--	1	--	--	3	1	1	3

(Provisional Report)

[illegible]



Table XII. -- DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1952

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	15,530	512	704	840	139	203	791	3,298	10,259	7,728
SELECTED CAUSES OF DEATH	14,814	505	680	793	113	190	717	3,128	9,873	7,383
Diseases of infancy, total	587	488	547	564	7	2	10	2	2	276
Premature birth	260	258	260	260	xxx	xxx	xxx	xxx	xxx	109
Maternal causes, total	20	xxx	xxx	xxx	--	7	13	--	xxx	10
Puerperal septicemia	5	xxx	xxx	xxx	--	2	3	--	xxx	3
Puerperal toxemia	10	xxx	xxx	xxx	--	3	7	--	xxx	5
Communicable diseases, total	749	16	78	111	33	17	74	154	360	373
Acute respiratory diseases, total	407	16	67	84	9	4	11	55	244	215
Influenza	37	1	4	7	--	--	--	7	23	22
Pneumonia	370	15	63	77	9	4	11	48	221	193
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	2	--	1	1	--	--	1	--	--	1
Encephalitis—infectious	4	--	1	1	--	--	1	1	1	2
Measles	5	--	1	2	--	--	1	1	1	4
Meningitis—meningococcus	9	--	3	6	2	--	--	1	--	5
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	2
Poliomyelitis	57	--	1	6	18	11	20	2	--	28
Rheumatic fever	3	--	--	--	1	1	--	1	--	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	79	--	--	--	--	--	3	32	44	31
Tuberculosis—all forms	155	--	1	6	2	1	31	51	64	70
Pulmonary tuberculosis	137	--	--	2	--	1	30	44	60	60
Other communicable diseases	26	--	2	3	1	--	6	10	6	13
Accidents—all forms, total	1,112	--	32	68	49	121	186	192	496	576
Motor vehicle	394	--	3	15	17	83	110	95	74	214
Home	392	--	26	40	9	3	17	31	292	186
Occupational	95	xxx	xxx	xxx	--	11	32	33	19	61
Public	231	--	3	13	23	24	27	33	111	115
Arteriosclerosis	338	xxx	xxx	xxx	--	--	--	14	324	175
Cancer	2,411	--	--	7	6	10	137	786	1,465	1,177
Diabetes	540	--	--	1	2	1	14	132	390	231
Diseases of digestive system, total	558	1	20	34	9	9	44	179	283	284
Appendicitis	30	--	--	--	2	3	4	10	11	17
Cirrhosis of the liver	140	--	1	1	1	1	16	52	69	64
Diarrhea and enteritis	39	1	18	24	1	1	4	6	3	6
Hernia and intestinal obstruction	95	--	--	2	1	1	5	25	61	50
Ulcers of stomach or duodenum	106	--	--	--	--	1	11	38	56	55
Goiter—exophthalmic	17	--	--	--	--	1	--	4	12	10
Heart disease, total	5,817	--	--	3	3	7	134	1,238	4,432	2,917
Coronary	2,199	--	--	1	--	3	61	719	1,415	1,115
Chronic rheumatic	193	--	--	--	1	2	27	68	95	102
Homicide	20	--	2	2	--	1	10	5	2	8
Intracranial lesions of vascular origin	1,607	--	--	1	--	--	25	254	1,327	812
Nephritis	782	--	1	2	4	5	33	107	631	389
Prostatic disease	106	--	--	--	--	--	--	3	103	57
Suicide	150	xxx	xxx	xxx	--	9	37	58	46	88
ALL OTHER KNOWN CAUSES	714	7	24	46	26	13	73	170	386	344
CAUSE AS YET UNASSIGNED	2	--	--	1	--	--	1	--	--	1

Table XIII. -- DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1952  
(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,981	226	308	363	42	72	302	1,053	2,149	1,095
SELECTED CAUSES OF DEATH	3,775	217	291	329	32	61	274	1,001	2,078	1,038
Diseases of infancy, total	237	207	228	232	--	2	2	1	--	73
Premature birth	102	102	102	102	xxx	xxx	xxx	xxx	xxx	31
Maternal causes, total	5	xxx	xxx	xxx	--	1	4	--	xxx	2
Puerperal septicemia	3	xxx	xxx	xxx	--	--	3	--	xxx	1
Puerperal toxemia	2	xxx	xxx	xxx	--	1	1	--	xxx	1
Communicable diseases, total	232	6	40	53	10	6	30	57	76	57
Acute respiratory diseases, total	125	6	37	47	2	1	9	15	51	37
Influenza	8	--	1	1	--	--	--	1	6	1
Pneumonia	117	6	36	46	2	1	9	14	45	36
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	2	--	--	--	--	1	1	--	--	1
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	7	--	3	6	--	--	--	1	--	1
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	9	--	--	--	5	1	3	--	--	2
Rheumatic fever	3	--	--	--	1	1	--	--	1	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	23	--	--	--	--	--	5	12	6	--
Tuberculosis—all forms	57	--	--	--	2	1	11	28	15	14
Pulmonary tuberculosis	55	--	--	--	1	1	11	28	14	12
Other communicable diseases	6	--	--	--	--	1	1	1	3	1
Accidents—all forms, total	328	--	11	23	19	34	71	70	111	96
Motor vehicle	119	--	1	2	5	21	44	27	20	42
Home	107	--	9	19	5	2	6	17	58	29
Occupational	32	xxx	xxx	xxx	--	2	11	14	5	8
Public	70	--	1	2	9	9	10	12	28	17
Arteriosclerosis	102	xxx	xxx	xxx	--	--	--	4	98	33
Cancer	540	--	--	2	--	3	29	228	278	134
Diabetes	112	--	--	--	--	2	1	30	79	35
Diseases of digestive system, total	165	4	12	14	--	4	18	53	76	42
Appendicitis	7	--	--	--	--	1	1	2	3	3
Cirrhosis of the liver	52	--	--	--	--	1	9	19	23	12
Diarrhea and enteritis	16	4	11	12	--	--	1	--	3	7
Hernia and intestinal obstruction	25	--	1	2	--	--	3	8	12	5
Ulcers of stomach or duodenum	26	--	--	--	--	--	1	12	13	7
Goiter—exophthalmic	3	--	--	--	--	--	1	--	2	--
Heart disease, total	1,426	--	--	2	1	1	60	422	940	399
Coronary	407	--	--	--	--	--	25	185	197	124
Chronic rheumatic	48	--	--	--	--	1	11	14	22	14
Homicide	26	--	--	1	1	3	16	5	--	3
Intracranial lesions of vascular origin	348	--	--	1	--	1	16	79	251	91
Nephritis	185	--	--	1	1	3	9	38	133	48
Prostatic disease	17	--	--	--	--	--	--	2	15	3
Suicide	49	xxx	xxx	xxx	--	1	17	12	19	22
ALL OTHER KNOWN CAUSES	199	7	15	32	10	11	27	52	67	56
CAUSE AS YET UNASSIGNED	7	2	2	2	--	--	1	--	4	1



Table XIV. -- DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1952

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,596	257	387	470	102	128	418	1,659	4,819	4,000
SELECTED CAUSES OF DEATH	7,166	253	374	445	85	118	371	1,550	4,597	3,766
Diseases of infancy, total	295	238	270	279	7	3	4	2	--	174
Premature birth	112	112	112	112	xxx	xxx	xxx	xxx	xxx	61
Maternal causes, total	10	xxx	xxx	xxx	--	2	8	--	xxx	6
Puerperal septicemia	5	xxx	xxx	xxx	--	1	4	--	xxx	3
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	420	10	60	84	19	8	36	77	196	230
Acute respiratory diseases, total	232	8	50	63	6	3	8	26	126	138
Influenza	22	--	3	3	1	--	--	4	14	11
Pneumonia	210	8	47	60	5	3	8	22	112	127
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	3	--	--	--	--	--	--	1	2	2
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	5	--	2	4	1	--	--	--	--	3
Meningitis—meningococcus	11	1	5	9	1	1	--	--	--	8
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	--
Poliomyelitis	20	1	2	6	9	3	1	1	--	10
Rheumatic fever	4	--	--	1	1	--	1	--	1	4
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	38	--	--	--	--	--	4	16	18	17
Tuberculosis—all forms	94	--	--	--	1	--	19	31	43	44
Pulmonary tuberculosis	90	--	--	--	1	--	18	29	42	42
Other communicable diseases	12	--	--	--	--	1	3	2	6	4
Accidents—all forms, total	603	3	16	35	45	63	113	128	219	336
Motor vehicle	234	--	1	12	24	41	64	58	35	139
Home	163	1	12	18	4	1	8	21	111	80
Occupational	56	xxx	xxx	xxx	--	4	19	23	10	34
Public	150	2	3	5	17	17	22	26	63	83
Arteriosclerosis	215	xxx	xxx	xxx	--	--	--	14	201	90
Cancer	1,070	--	--	5	2	5	55	343	660	533
Diabetes	255	--	--	--	1	4	5	53	192	124
Diseases of digestive system, total	278	2	26	38	7	7	24	80	122	142
Appendicitis	20	--	--	2	3	2	3	4	6	10
Cirrhosis of the liver	57	--	--	--	--	--	10	21	26	23
Diarrhea and enteritis	36	2	23	29	1	--	1	3	2	23
Hernia and intestinal obstruction	51	--	2	3	--	1	4	14	29	26
Ulcers of stomach or duodenum	40	--	--	--	1	--	1	14	24	20
Goiter—exophthalmic	9	--	--	--	--	2	1	3	3	3
Heart disease, total	2,693	--	2	4	2	6	66	599	2,016	1,390
Coronary	992	--	1	1	1	1	31	326	632	528
Chronic rheumatic	133	--	--	--	1	5	15	45	67	77
Homicide	16	--	--	--	1	3	7	3	2	9
Intracranial lesions of vascular origin	774	--	--	--	--	4	17	142	611	423
Nephritis	405	--	--	--	1	6	25	72	301	235
Prostatic disease	46	--	--	--	--	--	--	3	43	24
Suicide	77	xxx	xxx	xxx	--	5	10	31	31	47
ALL OTHER KNOWN CAUSES	428	4	13	25	17	9	47	109	221	232
CAUSE AS YET UNASSIGNED	2	--	--	--	--	1	--	--	1	2

CONTINUED FROM PAGE 8

consecutive year that no smallpox deaths have been reported. Only 4 deaths were reported due to tetanus continuing a downward trend. Diphtheria, typhoid fever, and gonococcus infection each caused 2 deaths. Only 1 death was charged to each of five diseases: malaria, mumps, rabies, tularemia, and undulant fever. Although 7 persons died from whooping cough, this is the lowest number of such deaths ever recorded in Illinois. On the debit side, deaths due to pneumonia, meningococcal meningitis, and dysentery slightly exceeded the 1951 figures.

Although poliomyelitis cases and deaths reached an all time high during 1952, the death rate of 2.8 per 100,000 did not equal that of 1947. A great deal of research and effort is being made to bring this disease under control, and to reduce the deaths and crippling sequelae resulting from poliomyelitis.

Tuberculosis mortality continues to decrease; the number of deaths in 1952 was approximately one half the number reported in 1943, and the rate of 18.7 per 1,000 population is considerably less than one half the 1943 rate of 43.8. This is encouraging evidence that tuberculosis eradication efforts are meeting considerable success; however, this disease is still one of the leading causes of death, as 1,670 persons died from this cause during 1952.

All in all, 1952 continues the longtime trend of good health and increased longevity in Illinois. Prospects of continued progress in the reduction of disease and disability appear good as the medical profession and public health workers maintain their fight to insure better health for more persons.

Table XV. -- AVERAGE AGE SPECIFIC FERTILITY RATES, WHITE AND NONWHITE: ILLINOIS, 1939-1941 AND 1949-1951

Age and Race of Mother	Female Population		Total Live Births		Average Birth Rate Per 1,000 Females		Percentage Increase 1949-1951 Over 1939-1941 Rate
	Enumerated 4-1-40	Estimated 7-1-50	1939-1941	1949-1951	1939-1941	1949-1951	
10-14							
White	289,199	255,351	92	151	.11	.20	81.8
Nonwhite	16,050	23,201	128	308	2.66	4.42	66.2
15-19							
White	318,745	248,225	32,101	43,502	33.57	58.42	74.0
Nonwhite	16,015	22,105	5,504	11,394	114.56	171.82	50.0
20-24							
White	335,451	297,435	111,267	163,099	110.56	182.78	65.3
Nonwhite	16,985	32,197	6,857	21,376	134.57	221.30	64.4
25-29							
White	331,205	329,034	109,858	160,382	110.56	162.48	47.0
Nonwhite	19,815	36,566	4,047	15,360	68.08	140.02	105.7
30-34							
White	307,637	325,022	66,091	96,561	71.61	99.03	38.3
Nonwhite	20,509	31,839	2,686	7,895	43.66	82.66	89.3
35-39							
White	287,228	318,051	30,189	44,677	35.03	46.82	33.7
Nonwhite	21,541	30,431	1,469	3,523	22.73	38.59	69.8
40-44							
White	271,096	290,165	8,261	10,222	10.16	11.74	15.6
Nonwhite	17,453	25,634	353	825	6.74	10.73	59.2
45-49							
White	261,042	263,737	684	539	.87	.68	21.8*
Nonwhite	13,768	22,329	32	53	.77	.79	2.6

\*Decrease in 1949-1951 rate from 1939-1941 rate.

## Health Statistics BULLETIN

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1953 Series

Springfield, Illinois

December 1, 1954

# VITAL STATISTICS FOR ILLINOIS: 1953

## NATALITY, INFANT MORTALITY, AND MATERNAL MORTALITY

A total of 206,813 babies were born to Illinois mothers during 1953, almost 1,400 more than in 1952. In the past eight years when the birth rate has been twenty-two per thousand population or better, well over a million and a half live births have taken place among residents of Illinois. The fact that the birth rate has stayed high is significant because the population base is increasing fastest for children and for the aged, with a declining proportion of women reaching child bearing age. In recent years the tendency has been toward larger families with a great many second, third, and fourth births taking place in a family which formerly settled on fewer children.

The 1953 live birth rate of 22.9 does not differ significantly from the 1952 rate of 23.0 and is just barely more than the 1951 rate of 22.7\*. While last year's birth rate falls short of the 1947 record of 24.2 per 1,000 population, the total number of live births in 1953 exceeds the 1947 total by more than 10,000. When the rates by race are inspected, it is found that the white rate has been fairly constant over the last four years: 1950, 21.0; 1951, 21.9; 1952, 22.1; and 1953, 21.7; while the nonwhite rate has in-

creased each year from the 1950 rate of 29.9 to 36.6 in 1953.

The rapid decline in infant and maternal mortality which took place in the 1940's is over, at least for the time being. In each of the past four years, there have been about five maternal deaths for every 10,000 live births. In 1953 and 1950 there were twenty-six infant deaths per 1,000 live births, while in 1952 and 1951 the figure was twenty-five. Similarly, neonatal mortality (death under twenty-eight days of age) kept steady around eighteen deaths per 1,000 live births.

The white infant death rate decreased from 24.4 in 1950 to 23.5 in 1953, while the nonwhite rate increased from 35.6 to 41.5. The net effect of these opposite trends produced a rate of 25.8 for all races in 1953, virtually the same as the 1950 rate of 25.6. The proportion of nonwhite infant deaths increased from fourteen per cent to twenty per cent, while nonwhite births rose from eleven per cent to twelve per cent.

On page three the major causes of infant deaths are shown. Of the 5,326 deaths, seventy-six per cent were due to congenital malformations and certain diseases peculiar to early infancy. Postnatal asphyxia and atelectasis accounted for 1,345 deaths, one fourth of all infant deaths.

\*An error of only one half of one per cent in the denominator (estimated population) will change the third digit of the crude rate by one.

Table 1. -- LIVE BIRTHS, STILLBIRTHS, INFANT DEATHS, NEONATAL DEATHS, AND MATERNAL DEATHS: ILLINOIS RESIDENTS, 1944-1953

(Includes vital events affecting Illinois residents which occurred outside the State)

	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944
Live Births	206,813	205,438	201,082	189,628	189,169	184,553	195,328	174,202	136,676	139,781
Stillbirths	3,323	3,239	3,270	3,084	3,184	3,235	3,578	3,600	2,945	3,037
Infant deaths	5,326	5,115	5,023	4,855	5,185	5,112	5,667	5,281	4,340	4,565
Neonatal deaths	3,812	3,721	3,776	3,580	3,834	3,789	4,250	4,006	2,983	3,081
Maternal deaths*	98	92	107	114	136	146	205	238	249	253

\*Classified under International List Numbers 140-150 (Fifth Revision) for 1944-1948 and under International List Numbers 640-689 (Sixth Revision) for 1949-1953.



## STATE OF ILLINOIS

WILLIAM G. STRATTON  
GOVERNOR

## DEPARTMENT OF PUBLIC HEALTH

ROLAND R. CROSS, M.D.  
DIRECTOR*Health Statistics*  
**BULLETIN**

RELEASED FOR THE USE OF PROFESSIONAL WORKERS IN HEALTH

ADDRESS MAIL FOR THE HEALTH STATISTICS BULLETIN TO  
O. K. SAGEN, PH.D., CHIEF  
BUREAU OF STATISTICS

The Chicago Board of Health has been conducting an exhaustive study of infant mortality, with particular reference to death during the first week of life. For more detailed and specific information on the subject of infant mortality see "Progress in Reduction of Needless Neonatal Deaths," Bundesen, H.N., et al (Journal American Medical Association, March 15, 1952, Vol. 148, pp 907-917.)

Live births, stillbirths, infant and neonatal deaths, and maternal deaths during the past ten years with rates are given in Tables 1 and 2.

## GENERAL MORTALITY

Death claimed 96,607 residents of Illinois during 1953, 2,400 more than in 1952. However, the crude death rate of 10.7 per 1,000 population is not significantly greater than the rate of 10.6 for 1952 and 1950, and is only slightly more than the 10.5 for 1951\*. For the past four years the

general death rate has averaged 10.6 deaths per 1,000 population. For the United States as a whole, the rate has been a steady 9.6 during these years. These rates are the lowest in all of U.S. and Illinois history, and the fact that they have been maintained in the face of rapid increase in the number of aged makes it a particularly fine record.

During 1953, white persons died at the rate of 10.6 per 1,000 white population, while the non-white rate was 12.2. In 1940, the corresponding race specific rates were 10.9 for the white race, and 15.7 for nonwhite. This represents only a three per cent reduction in the white crude rate, while the nonwhite rate has experienced a twenty-two per cent reduction from 1940. The more rapid reduction in nonwhite mortality has steadily been diminishing the mortality differential between the two races.

Although the crude death rate has remained relatively stable for the past few years and is only sixteen per cent lower than the 1920 crude rate of 12.7 per 1,000, a rather remarkable reduction in mortality has actually occurred. The chart on page five shows the crude and age adjusted death rates in each of the decennial census years since 1920 and for 1952 and 1953. When the age composition of the population is taken into consideration, the reduction in the 1953 death rate from that of 1920 is forty per cent. The 1953 crude rate is only three per cent less than the 1930 crude rate of 11.0 per 1,000, but when the rates are age adjusted for population composition it may be seen that the actual risk in 1953 is thirty per cent less than in 1930.

The decrease in mortality has not been the same for both sexes. Female mortality has always been less than that for males; however, the differential between the sexes is increasing because the female risk of dying is being reduced faster and more steadily than the male risk. Adjusted for age, the 1920 female rate was ten per cent below the male rate; while in 1953, the female rate was thirty-four per cent below. During the last thirty-five years the male adjusted rate has been reduced thirty-one per cent,

\*An error of only one half of one per cent in the denominator (estimated population) will change the third digit of the crude rate by one.

Table 2. -- LIVE BIRTH, STILLBIRTH, INFANT MORTALITY, NEONATAL MORTALITY, AND MATERNAL MORTALITY RATES: ILLINOIS RESIDENTS, 1944-1953

(Live birth rate per 1,000 estimated midyear population, all other rates per 1,000 live births; all rates computed from numbers shown in Table 1)

	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944
Live Births	22.9	23.0	22.7	21.7	22.2	22.3	24.2	22.2	17.7	18.3
Stillbirths	16.1	15.8	16.3	16.3	16.8	17.5	18.3	20.7	21.5	21.7
Infant mortality	25.8	24.9	25.0	25.6	27.4	27.7	29.0	30.3	31.8	32.7
Neonatal mortality	18.4	18.1	18.8	18.9	20.3	20.5	21.8	23.0	21.8	22.0
Maternal mortality*	0.5	0.4	0.5	0.6	0.8	0.8	1.0	1.4	1.8	1.8

\*Classified under International List Numbers 140-150 (Fifth Revision) for 1944-1948 and under International List Numbers 640-689 (Sixth Revision) for 1949-1953.



Table 3. -- INFANT DEATHS FROM MAJOR CAUSES AMONG RESIDENTS OF ECONOMIC AREAS, 1953

(Includes deaths occurring outside Illinois; see map on back page for location of economic areas)

Cause of Death	International List Number 6th Revision	State Total	E C O N O M I C A R E A S																
			A	B	C	D	E	F	1	2	3	4	5	6	7	8	9	10	11
All causes	001-999	5,326*	84	118	3,180	176	85	316	142	40	148	129	126	404	63	72	50	77	110
Tuberculosis, all forms	001-019	9	--	--	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dysentery, all forms	045-048	3	--	--	--	--	--	1	1	--	1	--	--	--	--	--	--	--	--
Septicemia and pyemia	053	5	--	--	4	--	--	--	--	--	--	--	--	--	--	--	1	--	--
Whooping cough	056	3	--	--	--	--	--	--	2	--	--	--	--	1	--	--	--	--	--
Meningitis (meningococcal)	057	16	1	--	12	--	--	2	--	--	--	--	--	--	1	--	--	--	--
Measles	085	5	--	--	--	--	1	--	--	--	--	--	2	1	--	--	--	1	--
All other infective and parasitic diseases	Rest of 001-138	16	--	--	6	1	--	2	--	--	1	2	--	3	--	--	--	--	1
Malignant neoplasms	140-205	9	--	--	4	2	--	--	--	--	1	--	--	--	--	1	--	1	--
Asthma	241	7	--	--	3	1	--	--	--	--	--	--	--	1	--	--	1	--	1
Diseases of thymus gland	273	12	--	--	5	2	--	--	--	2	--	--	--	2	--	1	--	--	--
Mental deficiency	325	9	1	--	7	--	--	1	--	--	--	--	--	--	--	--	--	--	--
Meningitis, except tuberculous and meningococcal	340	39	1	1	24	3	1	2	--	--	1	1	--	3	--	1	1	--	--
All other diseases of nervous system and sense organs	330-334, 341-398	31	1	--	17	--	1	2	2	--	2	--	1	4	--	--	--	--	1
Diseases of the circulatory system	400-468	13	--	--	6	--	1	2	1	--	--	--	--	--	--	1	1	--	1
Influenza	480-483	19	1	--	4	--	2	--	2	--	1	--	--	4	--	3	--	--	2
Pneumonia, except of the newborn	490-493	533	9	7	356	19	3	37	6	5	10	5	17	29	3	5	2	8	12
All other diseases of the respiratory system	470-475, 500-527	93†	--	1	55	9	1	7	4	--	4	--	--	8	--	1	--	1	1
Hernia and intestinal obstruction	560,561,570	56	--	--	36	--	3	3	1	1	4	2	--	2	1	1	1	--	1
Gastritis, duodenitis, enteritis, and colitis, except diarrhea of newborn	543,571,572	192	3	6	132	1	3	7	5	--	6	2	3	11	3	4	1	3	2
All other diseases of digestive system	Rest of 530-587	22	--	--	16	--	1	1	--	--	--	--	1	--	1	1	1	--	--
Congenital malformations	750-759	812	8	19	444	23	17	53	26	8	25	24	24	83	11	11	7	8	21
Spina bifida and meningocele	751	82	--	2	49	1	1	5	6	1	1	2	2	8	1	2	--	--	1
Congenital malformation of circulatory system	754	369	5	11	187	14	9	24	10	5	13	16	11	37	6	3	7	3	8
All other congenital malformations	Rest of 750-759	361	3	6	208	8	7	24	10	2	11	6	11	38	4	6	--	5	12
Diseases peculiar to early infancy	760-776	3,231‡	58	76	1,952	113	47	180	84	22	85	86	74	229	39	39	33	50	62
Intracranial and spinal injury at birth	760	295	4	10	184	5	3	14	9	3	11	5	5	13	7	4	3	8	7
Other birth injury	761	315	9	12	133	21	13	26	10	2	18	15	9	30	1	2	2	3	9
Postnatal asphyxia and atelectasis	762	1,345‡	15	18	965	41	13	52	33	6	19	22	23	82	10	10	10	15	10
Pneumonia of the newborn	763	186	4	3	127	10	--	6	1	--	4	5	5	9	--	1	2	2	7
Diarrhea of the newborn	764	19	--	--	10	1	--	1	--	--	--	--	--	2	--	2	--	1	2
Other infections of the newborn	765-768	11	1	1	5	--	--	1	--	1	--	--	--	1	--	1	--	--	--
Neonatal disorders arising from maternal toxemias	769	21	1	--	12	--	--	--	1	1	2	2	1	--	--	--	--	--	1
Hemolytic disease of the newborn	770	131	3	2	76	6	1	7	5	3	5	3	5	8	3	1	2	--	1
Hemorrhagic disease of the newborn	771	42	--	--	27	1	--	1	--	--	1	3	1	3	2	--	--	1	2
Ill defined diseases peculiar to early infancy	772,773	58	1	3	25	--	--	4	2	--	3	2	3	4	--	1	1	3	6
Immaturity with subsidiary condition	774	24	1	2	11	--	--	--	1	--	1	1	2	1	1	--	1	--	2
Immaturity unqualified	776	783	19	25	377	28	17	68	22	6	21	28	20	76	15	17	12	17	15
Symptoms, ill-defined, and unknown causes	780-795	18†	--	--	2	1	--	4	--	--	--	1	--	6	--	--	--	3	--
All other diseases	Rest of 001-795	46	1	1	25	1	2	4	2	--	2	1	--	4	2	--	--	--	1
All accidents	800-962	123†	--	7	58	--	2	8	6	2	5	5	4	13	2	3	1	2	4
Inhalation and ingestion of food or other object causing obstruction or suffocation	921,922	26	--	2	12	--	1	1	1	1	1	1	2	3	--	--	1	--	--
Mechanical suffocation in bed or cradle	924	47	--	3	26	--	--	2	1	--	3	3	1	3	1	3	--	1	--
All other accidents	Rest of 800-962	50†	--	2	20	--	1	5	4	1	1	1	1	7	1	--	--	1	4
Homicide	964,980-983	4†	--	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--

\*Includes 6 deaths of unknown place of residence in Illinois.

†Includes 1 death of unknown place of residence in Illinois.

‡Includes 2 deaths of unknown place of residence in Illinois.

the female rate fifty per cent. Crude and age adjusted rates for selected years are shown in Table 4 below.

Table 4. -- CRUDE AND AGE ADJUSTED DEATH RATES:  
ILLINOIS, 1920-1953

(See chart on page 5)

Year	Crude Rate Per 1,000 Population			Age Adjusted Rate*		
	Both Sexes	Male	Female	Both Sexes	Male	Female
1953	10.7	12.4	9.1	8.5	10.3	6.8
1952	10.6	12.2	9.0	8.5	10.2	6.9
1949-51 average	10.6	12.2	9.0	8.7	10.4	7.1
1940	11.2	12.5	9.8	10.7	12.2	9.2
1930	11.0	12.0	9.9	12.2	13.4	10.9
1920	12.7	13.2	12.2	14.2	14.9	13.5

\*Adjusted for age by the "direct method" using U.S. 1940 population as standard.

The leading causes of death for 1953 are virtually the same as for 1952, except that tuberculosis is now ranked tenth rather than ninth. (See Table 5 for most frequent causes, 1951-1953). The same ten leading causes of death have accounted for eighty-eight per cent of all deaths in each of the past four years, with tuberculosis being the only one with a marked change. (In 1949 tuberculosis was ranked sixth).

There were 1,400 more deaths in 1953 than in 1952 from the three most frequent causes: heart disease, cancer, and vascular lesions of the central nervous system (i.e., cerebral hemorrhage, thrombosis, apoplexy, etc.). However, these causes accounted for sixty-eight per cent of all deaths both in 1952 and in 1953. Continuing a well-defined trend, significant reduction in mortality rates for tuberculosis and nephritis is noticeable, while a relatively small decrease in rates for accidents, general arteriosclerosis, and diabetes took place. The downward trend of the pneumonia death rate has apparently reversed since 1951 and is now on a moderate rise. The rates for congenital malformations and diseases peculiar to early infancy, and for cirrhosis of the liver have not materially changed during the past several years.

The trend of deaths from major causes over the last ten years is indicated in Table 7A, with a corresponding trend of rates in Table 7B. A thirty-four year trend of mortality from ten selected causes is shown in the chart on page seven.

#### COMMUNICABLE DISEASES

In recent years certain of formerly major communicable diseases have become quite infrequent and 1953 is no exception. In 1953, no Illinois residents died from rabies, smallpox, tularemia, or undulant fever. Diphtheria, para-

typhoid, Rocky Mountain spotted fever, and typhoid fever accounted for one death each, while two persons died from malaria and two from mumps. Only three deaths were charged to gonococcal infection and four to whooping cough.

The following infectious diseases showed marked reduction from the 1952 mortality experience: meningococcal meningitis, sixteen per cent less; poliomyelitis, fifty-eight per cent; rheumatic fever, thirty per cent; tuberculosis, twenty per cent; and syphilis, down thirty-one per cent from 1952.

Communicable diseases claiming significantly more lives during 1953 than in 1952 were infectious hepatitis, up seventy-nine per cent; influenza, one hundred one per cent; pneumonias, sixteen per cent; and tetanus one hundred forty per cent higher than 1952. The total of 300 is the greatest number of deaths due to influenza since 1945 when 360 persons died from this disease. The 3,116 deaths caused by the pneumonias is the highest recorded during the last ten years, and reflects a steady increase since the low of 2,274 in 1949. Infectious hepatitis

Table 5. -- THE MOST FREQUENT CAUSES  
OF DEATH: 1951-1953

(Includes deaths of Illinois residents  
occurring outside the State)

Cause Group	Rate*		
	1953	1952	1951
All causes	10.7	10.6	10.5
Heart disease	451.1	439.4	439.2
Cancer	167.6	168.0	165.9
Vascular lesions, central nervous system	112.7	109.6	108.4
All accidents	59.4	60.7	58.2
Congenital malformations and certain diseases peculiar to early infancy	47.5	47.0	48.2
Pneumonia and influenza	37.8	31.7	30.7
General arteriosclerosis	18.0	18.7	19.7
Nephritis, acute and chronic	17.3	18.5	21.0
Diabetes mellitus	16.8	17.3	18.3
Tuberculosis, all forms	13.9	17.6	20.4
Cirrhosis of the liver	12.5	11.8	11.4
All other causes	113.6	115.7	110.5

\*Rates are per 1,000 estimated midyear population for All Causes and per 100,000 for selected cause groups.



mortality has gradually increased each year since the disease entity was first separately classified in 1947, probably due to greater awareness of the disease and more accurate diagnoses, as well as to increased incidence.

Morbidity counts remained relatively stable for many of the communicable diseases. Notably, however, four times as many cases of infectious hepatitis were reported in 1953 as in 1952; also, there were twelve times as many influenza cases in 1953 as in 1952. Although mortality decreased for rheumatic fever and tuberculosis, the number of new cases reported increased somewhat over 1952. Substantial reduction in reported morbidity occurred for poliomyelitis, tularemia, undulant fever, whooping cough, and syphilis. The trend of communicable disease cases and deaths over the last ten years is shown by number and rate in Tables 8A and 8B.

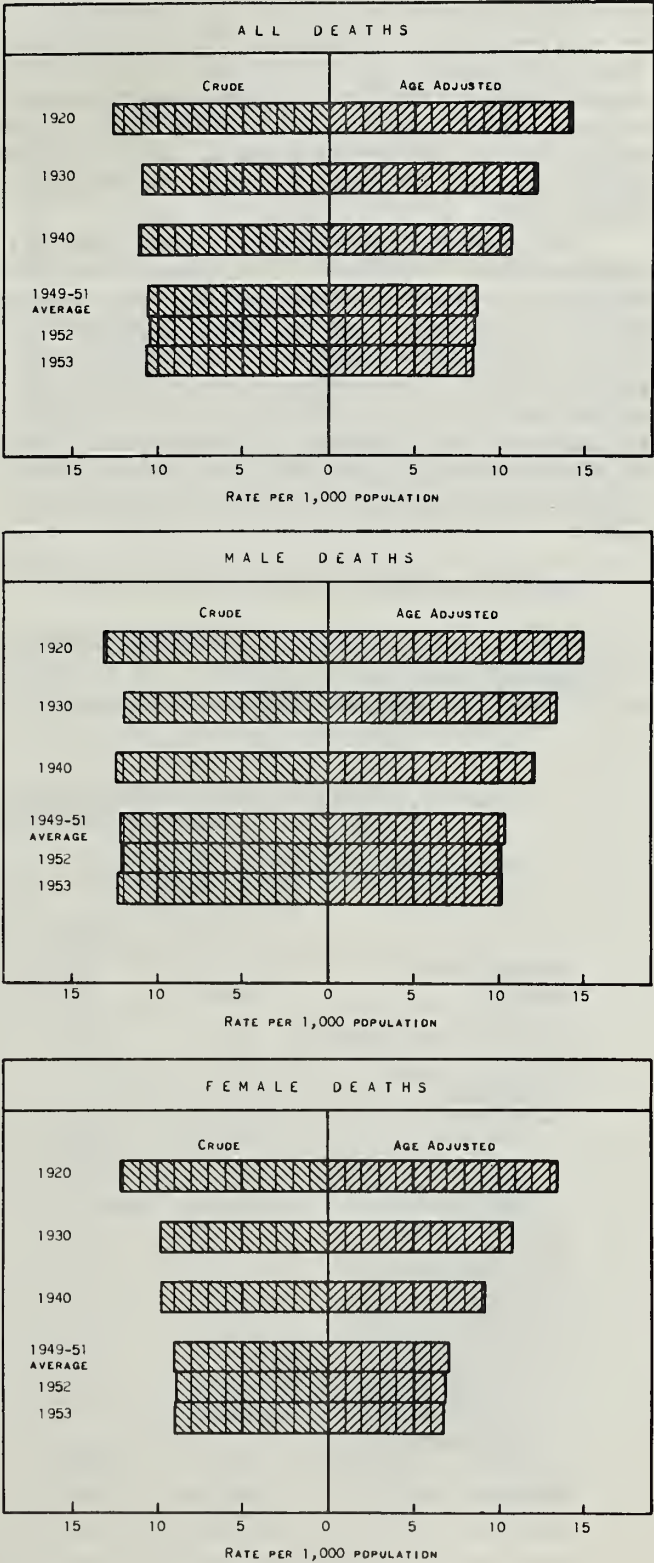
CAUSE OF DEATH CLASSIFICATION

It has been the practice to revise the International List every ten years since 1900 to keep abreast of medical progress. Cause of death data shown in this report are classified according to the Sixth Revision (1948) of the International List of Diseases and Causes of Death for the years 1949-1953, according to the Fifth Revision (1938) for 1939-1948, etc. While each revision has produced some break in the comparability with cause of death statistics in the previous decade, the Sixth Revision represents a more sweeping change than any of the previous revisions.

Strict comparability between the Fifth and Sixth Revisions is lost because of certain regrouping, and because of the change in the method of selecting the underlying cause of death. Sixth Revision rules specify that where the certification is properly executed, the underlying cause indicated by the physician shall be the cause used for tabulations; whereas under the Fifth Revision, a fixed set of priorities (the Joint Cause Manual) was used to select the cause to be tabulated when more than one cause of death was reported.

So as to present time series of mortality by cause which retain comparability from year to year, all deaths in Illinois during 1949-1953 were coded according to both the Sixth Revision and the new joint-cause rules, and the Fifth Revision and the Joint Cause Manual. Table 6 is a summary of the results obtained by coding deaths under both revisions for some broad cause groups. The effect of one procedure as against the other is expressed in terms of the "comparability ratio". This ratio is obtained by taking the number of deaths assigned to a particular cause using the Sixth Revision Classification and dividing it by the number of deaths assigned to that cause by the Fifth Revision. A

CRUDE AND AGE ADJUSTED MORTALITY RATES: ILLINOIS, 1920, 1930, 1940, 1949-51 AVERAGE, 1952, AND 1953  
(Rates for 1920 and 1930, based on recorded deaths, and for 1940, 1949-53 based on resident deaths. Age adjusted by the direct method using distribution of U.S. 1940 population as standard)



ratio of 1.00 indicates that approximately the same number of deaths would be assigned to a particular cause of death by each procedure.

The net loss or gain indicated by the comparability ratios shows rather serious differences in comparability between the two revisions for certain causes. Notably, diabetes mellitus shows forty-eight per cent fewer deaths when classified under the Sixth Revision and compared to the number under the Fifth. Nephritis, acute and chronic, under the Sixth is sixty per cent below the figure found according to Fifth Revision rules.

While these ratios give a rough approximation of the differences attributable to the change in revisions, care should be taken in using the ratios for other than the broad cause groups shown. The ratios may vary considerably for smaller areas, and certainly are not applicable to age specific or sex specific rates. Additional studies of the problem of comparability will be made in Illinois, and when this data is available will be published for use by interested persons.

#### SMALLER AREAS WITHIN THE STATE

For a more efficient area classification, intermediate between the counties and the State as a whole, the Census Bureau has delineated

seventeen economic areas within Illinois. These areas are composed of contiguous counties which have comparable demographic characteristics. The map on the last page indicates the location and counties included in each area.

These areas are being used to present health statistics for two reasons. The Census Bureau plans to make intercensal estimates of certain characteristics of the population residing within these areas which will allow computation of meaningful and comparable health indices, and also avoid the costliness of publishing detailed data for each of the one hundred two counties. (Tables B-R are tabulations of deaths among residents of these areas by broad age groups and selected causes of death).

Table 12 lists the counties and larger cities contained within these new areas with the estimated population as of July 1, 1953, and resident live birth, stillbirth, and death rates for each place indicated. In Table 13 comparative rates are shown for each economic area for selected causes of death. The number of resident infant and maternal deaths for counties and cities within economic areas are shown in Table 10, with comparative rates for each economic area in Table 11.

The number of live births, stillbirths, and deaths occurring in each county and the larger cities, as well as the number of these vital events affecting residents are shown in Table 9.

Table 6. -- COMPARISON OF CAUSE OF DEATH CLASSIFICATION UNDER BOTH THE FIFTH AND SIXTH REVISIONS OF THE INTERNATIONAL LIST: ILLINOIS, 1949-1953

Cause of Death	Category Numbers		Total Number of Deaths 1949-53 Classified By --		Difference Due To Revision (6th minus 5th)	Comparability Ratio 6th/5th	NOVS Comparability Ratio†
	3th Revision	5th Revision	6th Revision	5th Revision			
Tuberculosis, all forms	001-019	013-022	9,262	9,699	-437	0.96	0.96
Syphilis	020-029	030	1,894	2,557	-663	0.74	0.74
Cancer	140-205	045-055	73,731	73,748	-17	1.00	1.01
Benign and unspecified neoplasms	210-239	056-057	1,039*	1,080*	-41*	0.96*	1.04
Diabetes mellitus	260	061	8,369	15,988	-7,619	0.52	0.57*
Vascular lesions of central nervous system	330-334	083	46,841	39,468	7,373	1.19	1.13
Diseases of circulatory system	400-460	058,080-103	166,269*	151,102*	15,167*	1.10*	1.11
Heart disease	400-443	058,080-085	195,867	180,935	14,932	1.08	1.09
Hypertension without heart	444-447	102	2,907*	279*	2,628*	10.42*	6.54
General arteriosclerosis	450	087	8,453	7,562	891	1.12	1.14
Other circulatory diseases	451-468	096,098-101,103	1,703*	1,575*	128*	1.08*	1.10
Pneumonia and influenza	480-493	033,107-109	13,820	14,262	-442	0.97	0.89
Ulcer of stomach and duodenum	540,541	117	2,957	3,522	-565	0.84	0.85
Gastritis, duodenitis, enteritis, and colitis	543,571,572	118,120	1,716	1,388	328	1.24	1.01
Hernia and intestinal obstruction	560,561,570	122	3,115	2,930	185	1.06	1.06
Cirrhosis of the liver	581	124	5,299	6,706	-1,407	0.79	0.82
Nephritis, acute and chronic	590-584	130-132	9,085	22,278	-13,193	0.40	0.39
Hyperplasia of prostate	610	137.1	2,227	2,243	-16	0.99	1.02
Maternal causes	640-688	140-150	547	606	-59	0.90	0.91
Congenital malformations	750-758	157	4,221*	4,476*	-255*	0.94*	0.98
Certain diseases peculiar to early infancy	760-776	158-161	12,556*	11,850*	706*	1.06*	1.05
Symptoms, senility, and ill-defined	780-785	162.2,199,200	1,400*	1,368*	32*	1.02*	0.99
Motor vehicle accidents	810-835,980	170	10,420	10,411	9	1.00	1.00
Other accidents	800-802, 840-958,861,982	169,171-185	15,882	18,063	-2,181	0.88	0.93

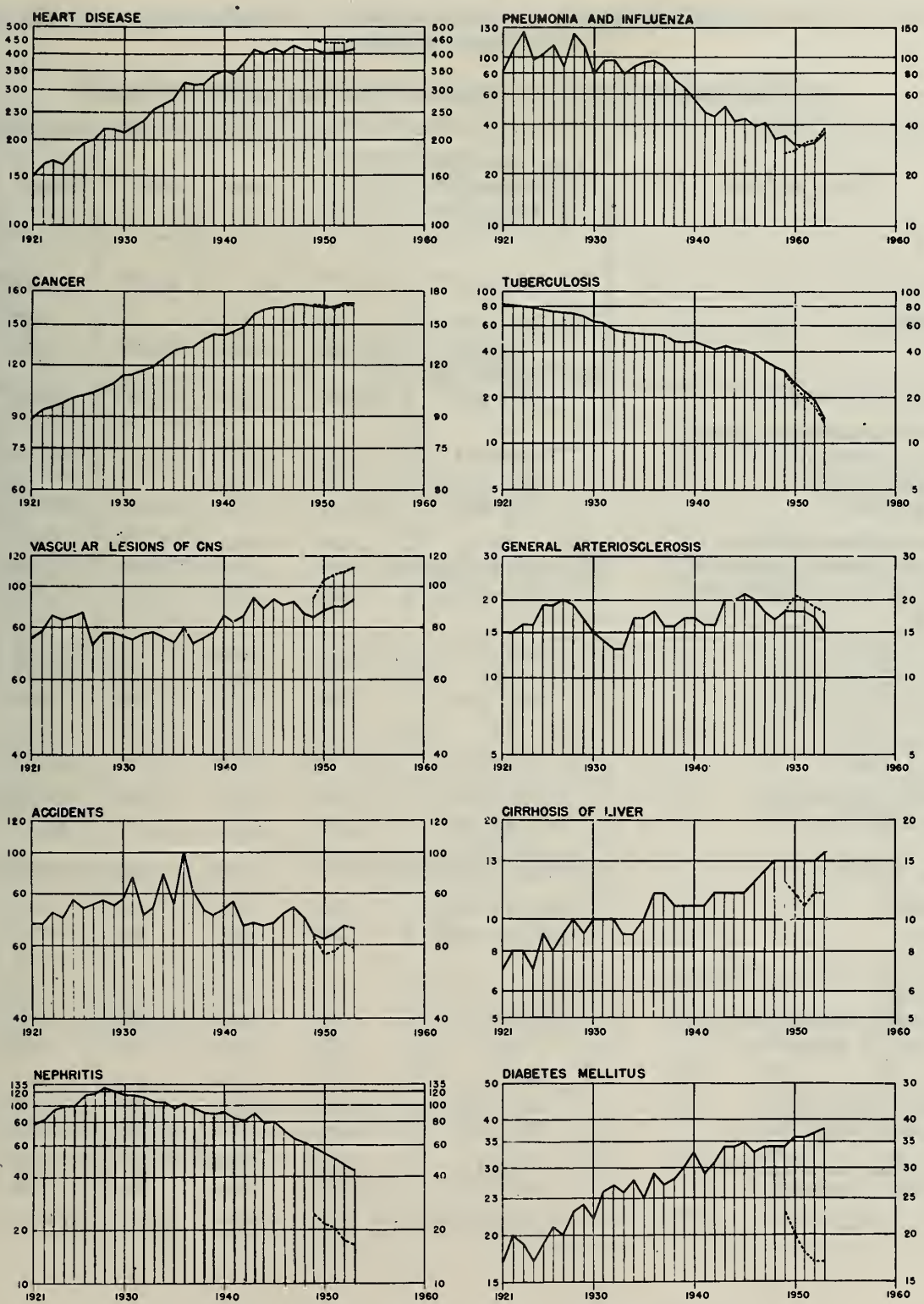
†As listed in Table G, page XV of Part 1: Vital Statistics of the United States, 1949, U.S. Government Printing Office, Washington, D.C., 1951.  
\*Based on four years only (1949-1952)



CRUDE MORTALITY RATES FOR SELECTED CAUSES OF DEATH; ILLINOIS, 1921-1953

Deaths classified under International List 3rd Rev. 1921-1929, 4th Rev. 1930-1939, and 5th Rev. 1940-1953; dotted line indicates rate when classified under 6th Rev.

(1921-1939 rates based on deaths OCCURRING in Illinois and rates for subsequent years based on deaths among Illinois RESIDENTS; all rates per 100,000 estimated midyear population.)



These are RATIO charts, an equal vertical distance represents an equal PERCENTAGE change in rate.

Table 7. -- DEATHS FROM MAJOR CAUSES AMONG ILLINOIS RESIDENTS: 1944-1953  
A. Number of Deaths

(Includes deaths of Illinois residents occurring outside the State)

Cause of Death	International List Number 6th Revision	1953	1952	1951	1950	1949
All causes	001-999	96,607	94,173	93,254	92,260	92,521
Appendicitis	550-553	168	179	191	227	251
Cancer	140-205	15,159	14,986	14,707	14,500	14,379
Cardiovascular-renal	330-334,400-468, 590-594	55,538	53,574	53,371	52,364	51,128
Vascular lesions of central nervous system	330-334	10,194	9,771	9,612	9,171	8,093
Rheumatic fever	400-402	62	88	52	64	62
Heart disease	410-443	40,799	39,183	38,935	38,221	38,232
General arteriosclerosis	450	1,631	1,666	1,745	1,867	1,544
Other circulatory diseases	444-447,451-468	462	1,214	1,164	1,159	1,073
Nephritis, acute and chronic	590-594	1,564	1,652	1,863	1,882	2,124
Certain diseases peculiar to early infancy	760-776	3,232	3,189	3,177	3,000	3,190
Cirrhosis of the liver	581	1,128	1,054	1,008	1,031	1,078
Congenital malformations	750-759	1,062	1,000	1,096	1,049	1,076
Diabetes mellitus	260	1,520	1,542	1,626	1,740	1,941
External causes	800-999	6,733	6,696	6,444	6,422	6,790
Accidents, all forms	800-962	5,375	5,416	5,158	4,989	5,364
Motor vehicle	810-835,960 800-802,	2,299	2,221	2,017	2,061	1,822
Other accidents	840-959,961,962	3,076	3,195	3,141	2,928	3,542
Homicide	964,980-985	420	404	382	411	419
Suicide	963,970-979	936	872	898	1,019	1,005
Gastritis, duodenitis, enteritis, and colitis	543,571,572	426	327	283	303	378
Hernia, intestinal obstruction	560,561,570	610	549	588	612	756
Hyperplasia of prostate	610	437	420	445	474	451
Influenza	480-483	300	149	174	141	95
Pneumonia, all forms	490-493	3,116	2,680	2,551	2,340	2,274
Tuberculosis, all forms	001-019	1,256	1,570	1,807	2,132	2,497
Ulcer of stomach and duodenum	540,541	629	550	585	586	607
Senility and ill defined	780-795	377	401	331	369	299
All other causes	Residual	4,916	5,307	4,870	4,970	5,331



Table 7 -- DEATHS FROM MAJOR CAUSES AMONG ILLINOIS RESIDENTS: 1944-1953 - Cont.  
A. Number of Deaths

(Includes deaths of Illinois residents occurring outside the State)

Cause of Death	International List Number 5th Revision	1948	1947	1946	1945	1944
All causes	001-200	91,254	93,507	89,150	89,306	87,632
Appendicitis	121	270	313	356	406	519
Cancer	045-055 058,083,090-103,	13,863	13,500	12,820	12,652	12,328
Cardiovascular-renal	130-132	48,429	49,295	46,411	47,384	45,624
Vascular lesions of central nervous system	083	7,260	7,538	7,131	7,267	6,799
Rheumatic fever	058	43	49	60	72	70
Heart disease	090-095	34,178	34,504	31,673	31,927	30,734
General arteriosclerosis	097	1,403	1,447	1,546	1,633	1,537
Other circulatory diseases	096,098-103	410	452	378	332	346
Nephritis, acute and chronic	130-132	5,135	5,305	5,623	6,153	6,138
Certain diseases peculiar to early infancy	158-161	3,040	3,278	3,169	2,286	2,347
Cirrhosis of the liver	124	1,210	1,163	997	897	875
Congenital malformations	157	1,083	1,216	1,067	931	1,006
Diabetes mellitus	061	2,794	2,786	2,573	2,710	2,621
External causes	163-198	7,158	7,394	7,015	6,479	6,173
Accidents, all forms	169-195	5,784	6,022	5,598	5,250	5,107
Motor vehicle	170	1,948	2,011	1,872	1,505	1,317
Other accidents	169,171-195	3,836	4,011	3,726	3,745	3,790
Homicide	165-168	482	421	473	355	305
Suicide	163-164	891	949	943	858	759
Gastritis, duodenitis, enteritis, and colitis	119-120	247	286	289	307	325
Hernia, intestinal obstruction	122	666	722	750	754	851
Hyperplasia of prostate	137	537	579	590	565	651
Influenza	033	138	245	242	350	535
Pneumonia, all forms	107-109	2,622	3,076	2,836	2,931	2,772
Tuberculosis, all forms	013-022	2,657	2,845	3,020	3,159	3,197
Ulcer of stomach and duodenum	117	639	616	540	605	614
Senility and ill defined	162,199-200	259	311	310	413	487
All other causes	Residual	5,642	5,882	6,165	6,477	6,707

Table 7. -- DEATHS FROM MAJOR CAUSES AMONG ILLINOIS RESIDENTS: 1944-1953  
B. Crude Mortality Rates

(Rates per 1,000 estimated midyear population for "All Causes" and per 100,000 for selected cause groups; computed from number of deaths shown in Table 7 A)

Cause of Death	International List Number 6th Revision	1953	1952	1951	1950	1949
All causes	001-999	10.7	10.6	10.5	10.6	10.9
Appendicitis	550-553	1.9	2.0	2.2	2.6	2.9
Cancer	140-205	167.6	168.0	165.9	166.1	168.9
Cardiovascular-renal	330-334,400-468, 590-594	614.1	600.7	602.0	599.7	600.6
Vascular lesions of central nervous system	330-334	112.7	109.6	108.4	105.0	95.1
Rheumatic fever	400-402	0.7	1.0	0.6	0.7	0.7
Heart disease	410-443	451.1	439.4	439.2	437.7	449.1
General arteriosclerosis	450	18.0	18.7	19.7	21.4	18.1
Other circulatory diseases	444-447,451-468	5.1	13.6	13.1	13.3	12.6
Nephritis, acute and chronic	590-594	17.3	18.5	21.0	21.6	24.9
Certain diseases peculiar to early infancy	760-776	35.7	35.8	35.8	34.4	37.5
Cirrhosis of the liver	581	12.5	11.8	11.4	11.8	12.7
Congenital malformations	750-759	11.7	11.2	12.4	12.0	12.6
Diabetes mellitus	260	16.8	17.3	18.3	19.9	22.8
External causes	800-999	74.4	75.1	72.7	73.5	79.8
Accidents, all forms	800-962	59.4	60.7	58.2	57.1	63.0
Motor vehicle	810-835,960 800-802,	25.4	24.9	22.7	23.6	21.4
Other accidents	840-959,961,962	34.0	35.8	35.4	33.5	41.6
Homicide	964,980-985	4.6	4.5	4.3	4.7	4.9
Suicide	963,970-979	10.3	9.8	10.1	11.7	11.8
Gastritis, duodenitis, enteritis, and colitis	543,571,572	4.7	3.7	3.2	3.5	4.4
Hernia, intestinal obstruction	560,561,570	6.7	6.2	6.6	7.0	8.9
Hyperplasia of prostate	610	4.8	4.7	5.0	5.4	5.3
Influenza	480-483	3.3	1.7	2.0	1.6	1.1
Pneumonia, all forms	490-493	34.5	30.1	28.8	26.8	26.7
Tuberculosis, all forms	001-019	13.9	17.6	20.4	24.4	29.3
Ulcer of stomach and duodenum	540,541	7.0	6.2	6.6	6.7	7.1
Senility and ill defined	780-795	4.2	4.5	3.7	4.2	3.5
All other causes	Residual	54.4	59.5	54.9	56.9	62.6



Table 7. -- DEATHS FROM MAJOR CAUSES AMONG ILLINOIS RESIDENTS: 1944-1953 - Cont.  
B. Crude Mortality Rates

(Rates per 1,000 estimated midyear population for "All Causes" and per 100,000 for selected cause groups; computed from number of deaths shown in Table 7 A)

Cause of Death	International List Number 5th Revision	1948	1947	1946	1945	1944
All causes	001-200	11.0	11.6	11.4	11.6	11.5
Appendicitis	121	3.3	3.9	4.5	5.3	6.8
Cancer	045-055	167.2	167.0	163.7	163.9	161.6
Cardiovascular-renal	058,083,090-103, 130-132	584.1	609.9	592.7	613.7	598.0
Vascular lesions of central nervous system	083	87.6	93.3	91.1	94.1	89.1
Rheumatic fever	058	0.5	0.6	0.8	0.9	0.9
Heart disease	090-095	412.2	426.9	404.5	413.5	402.8
General arteriosclerosis	097	16.9	17.9	19.7	21.2	20.1
Other circulatory diseases	096,098-103	4.9	5.6	4.8	4.3	4.5
Nephritis, acute and chronic	130-132	61.9	65.6	71.8	79.7	80.4
Certain diseases peculiar to early infancy	158-161	36.7	40.6	40.5	29.6	30.8
Cirrhosis of the liver	124	14.6	14.4	12.7	11.6	11.5
Congenital malformations	157	13.1	15.0	13.6	12.1	13.2
Diabetes mellitus	061	33.7	34.5	32.9	35.1	34.4
External causes	163-198	86.3	91.5	89.6	83.9	80.9
Accidents, all forms	169-195	69.8	74.5	71.5	68.0	66.9
Motor vehicle	170	23.5	24.9	23.9	19.5	17.3
Other accidents	169,171-195	46.3	49.6	47.6	48.5	49.7
Homicide	165-168	5.8	5.2	6.0	4.6	4.0
Suicide	163-164	10.7	11.7	12.0	11.1	9.9
Gastritis, duodenitis, enteritis, and colitis	119-120	3.0	3.5	3.7	4.0	4.3
Hernia, intestinal obstruction	122	8.0	8.9	9.6	9.8	11.2
Hyperplasia of prostate	137	6.5	7.2	7.5	7.3	8.5
Influenza	033	1.7	3.0	3.1	4.5	7.0
Pneumonia, all forms	107-109	31.6	38.1	36.2	38.0	36.3
Tuberculosis, all forms	013-022	32.0	35.2	38.6	40.9	41.9
Ulcer of stomach and duodenum	117	7.7	7.6	6.9	7.8	8.0
Senility and ill defined	162,199-200	3.1	3.8	4.0	5.3	6.4
All other causes	Residual	68.0	72.8	78.7	83.9	87.9

Table 8. -- COMMUNICABLE DISEASE CASES AND DEATHS: ILLINOIS, 1944-1953  
A. Number of Cases and Deaths

(Mortality figures include deaths of Illinois residents occurring outside the State,  
morbidity figures are cases reported to Illinois health officers)

Communicable Disease	International List Number 6th Revision	1953	1952	1951	1950	1949
Chickenpox ----- Deaths	087	7	6	1	5	5
----- Cases		17,976	15,540	15,437	13,293	16,294
Diphtheria ----- Deaths	055	1	2	1	1	4
----- Cases		19	14	28	60	50
Dysentery, all forms ----- Deaths	045-048	22	18	18	21	25
----- Cases		288	210	882*	781*	617*
Encephalitis, acute infectious ----- Deaths	082	15	16	17	13	13
----- Cases		37	33	22	16	59†
Hepatitis, infectious ----- Deaths	092	61	34	44	24	31
----- Cases		1,048	241	156	44	46
Influenza ----- Deaths	480-483	300	149	174	141	95
----- Cases		1,932	161	243	422	311
Malaria, all forms ----- Deaths	110-117	2	1	3	3	--
----- Cases		3	6	5	4	3
Measles ----- Deaths	085	21	24	30	7	6
----- Cases		16,746	32,239	18,164	19,233	5,820
Meningitis (Meningococcus) ----- Deaths	057	66	79	59	49	51
----- Cases		256	282	219	223	200
Mumps ----- Deaths	089	2	--	--	1	1
----- Cases		7,513	10,751	6,979	6,978	8,542
Paratyphoid ----- Deaths	041	1	2	--	--	--
----- Cases		12	10	8	3	2
Pneumonia, all forms ----- Deaths	490-493	3,116	2,680	2,551	2,340	2,274
----- Cases		2,693	2,831	2,977	3,859	4,966
Poliomyelitis, acute ----- Deaths	080	104	249	103	126	246
----- Cases		2,041	4,001	1,699	1,941	2,910
Rabies ----- Deaths	094	--	1	--	--	2
----- Cases		--	1	--	--	2
Rheumatic fever ----- Deaths	400-402	62	88	52	64	62
----- Cases		335	238	196	187	322
Rocky Mt. spotted fever ----- Deaths	104.1	1	--	1	--	--
----- Cases		5	7	6	13	15
Scarlet fever, streptococcal sore throat -- Deaths	050,051	18	14	10	10	27
----- Cases		4,403	4,140	3,031	2,178	4,184
Smallpox ----- Deaths	084	--	--	--	--	--
----- Cases		--	--	--	--	--
Tetanus ----- Deaths	061	12	5	5	7	10
----- Cases		29	33	22	21	37
Tuberculosis, all forms ----- Deaths	001-019	1,256	1,570	1,807	2,132	2,497
----- Cases		5,606	4,481	6,949	7,630	7,956
Tularemia ----- Deaths	059	--	1	--	1	--
----- Cases		29	67	74	78	75
Typhoid fever ----- Deaths	040	1	1	4	1	1
----- Cases		57	41	57	80	101
Undulant fever ----- Deaths	044	--	1	--	3	2
----- Cases		243	294	445	442	514
Whooping cough ----- Deaths	056	4	6	15	21	27
----- Cases		579	705	1,462	3,339	3,936
Venereal Disease						
Gonococcal infection ----- Deaths	030-035	3	2	--	1	6
----- Cases		21,014	16,555	20,471	21,037	25,080
Syphilis ----- Deaths	020-029	224	324	375	438	533
----- Cases		5,832	8,024	9,435	11,264	13,904

\*Includes amebiasis carriers.

†Includes cases of encephalitis other than acute infectious.



Table 8. -- COMMUNICABLE DISEASE CASES AND DEATHS: ILLINOIS, 1944-1953 - Cont.

## A. Number of Cases and Deaths

(Mortality figures include deaths of Illinois residents occurring outside the State,  
morbidity figures are cases reported to Illinois health officers)

Communicable Disease		International List Number 5th Revision	1948	1947	1946	1945	1944
Chickenpox -----	Deaths	038e	6	3	6	7	6
	Cases		5,926	14,272	11,717	10,510	16,498
Diphtheria -----	Deaths	010	9	12	32	15	21
	Cases		87	169	469	194	315
Dysentery, all forms -----	Deaths	027	16	24	25	28	36
	Cases		502*	326*	236*	324*	311*
Encephalitis, acute infectious -----	Deaths	037	20	24	23	45	37
	Cases		81†	60†	57†	68†	78†
Hepatitis, infectious -----	Deaths	038i	14	6	#	#	#
	Cases		38	27	94	360	34
Influenza -----	Deaths	033	138	245	242	350	535
	Cases		172	1,125	345	1,018	1,439
Malaria, all forms -----	Deaths	028	6	6	13	8	4
	Cases		8	11	37	6	23
Measles -----	Deaths	035	83	8	50	10	84
	Cases		41,901	8,341	25,995	7,930	19,451
Meningitis (Meningococcus) -----	Deaths	006	54	46	75	134	194
	Cases		214	204	364	611	996
Mumps -----	Deaths	044c	2		1	2	4
	Cases		11,749	6,492	5,290	7,205	6,268
Paratyphoid -----	Deaths	002	3	1	1	1	2
	Cases		10	6	10	9	9
Pneumonia, all forms -----	Deaths	107-109	2,622	3,076	2,836	2,931	2,772
	Cases		5,070	4,754	6,287	6,813	8,567
Poliomyelitis, acute -----	Deaths	036	68	28	182	104	38
	Cases		1,104	860	2,554	1,104	560
Rabies -----	Deaths	038b	--	--	1	2	2
	Cases		--	--	2	3	2
Rheumatic fever -----	Deaths	058	43	49	60	72	70
	Cases		157	186	320	275	399
Rocky Mt. spotted fever -----	Deaths	039c	2	4	3	--	2
	Cases		17	31	41	18	13
Scarlet fever, streptococcal sore throat --	Deaths	008,115b	9	15	43	61	63
	Cases		4,590	4,194	6,567	10,748	11,967
Smallpox -----	Deaths	034	--	--	--	--	--
	Cases		--	2	6	12	12
Tetanus -----	Deaths	012	9	8	12	18	21
	Cases		20	30	37	32	30
Tuberculosis, all forms -----	Deaths	013-022	2,657	2,845	3,020	3,159	3,197
	Cases		6,982	7,772	6,587	6,305	8,062
Tularemia -----	Deaths	026a	2	1	9	5	10
	Cases		57	124	98	131	91
Typhoid fever -----	Deaths	001	4	10	9	9	12
	Cases		93	139	106	87	102
Undulant fever -----	Deaths	005	5	6	2	4	5
	Cases		513	554	478	324	322
Whooping cough -----	Deaths	009	28	44	30	56	43
	Cases		2,202	4,795	5,431	4,106	3,194
Venereal Disease							
Gonococcal infection -----	Deaths	025	4	4	6	6	8
	Cases		28,725	32,794	37,956	27,117	22,580
Syphilis -----	Deaths	030	614	682	758	796	855
	Cases		17,005	19,360	23,701	21,675	25,165

\*Includes amebiasis carriers.

†Includes cases of encephalitis other than acute infectious.

#Not coded separately prior to 1947.

Table 8. -- COMMUNICABLE DISEASE CASES AND DEATHS: ILLINOIS, 1944-1953

## B. Crude Morbidity and Mortality Rates

(Rates per 100,000 estimated midyear population computed from number of cases and deaths shown in Table 8 A; -0- means no frequency and 0.0 means less than 0.05 per 100,000)

Communicable Disease		International List Number 6th Revision	1953	1952	1951	1950	1949
Chickenpox -----	Deaths	087	0.1	0.1	0.0	0.1	0.1
	Cases		198.8	174.3	174.1	152.2	191.4
Diphtheria -----	Deaths	055	0.0	0.0	0.0	0.0	0.0
	Cases		0.2	0.2	0.3	0.7	0.6
Dysentery, all forms -----	Deaths	045-048	0.2	0.2	0.2	0.2	0.3
	Cases		3.2	2.4	9.9*	8.9*	7.2*
Encephalitis, acute infectious -----	Deaths	082	0.2	0.2	0.2	0.1	0.2
	Cases		0.4	0.4	0.2	0.2	0.7†
Hepatitis, infectious -----	Deaths	092	0.7	0.4	0.5	0.3	0.4
	Cases		11.6	2.7	1.8	0.5	0.5
Influenza -----	Deaths	480-483	3.3	1.7	2.0	1.6	1.1
	Cases		21.4	1.8	2.7	4.8	3.7
Malaria, all forms -----	Deaths	110-117	0.0	0.0	0.0	0.0	-0-
	Cases		0.0	0.1	0.1	0.0	0.0
Measles -----	Deaths	085	0.2	0.3	0.3	0.1	0.1
	Cases		185.2	361.5	204.9	220.3	68.4
Meningitis (Meningococcus) -----	Deaths	057	0.7	0.9	0.7	0.6	0.6
	Cases		2.8	3.2	2.5	2.6	2.3
Mumps -----	Deaths	089	0.0	-0-	-0-	0.0	0.0
	Cases		83.1	120.6	78.7	79.9	100.3
Paratyphoid -----	Deaths	041	0.0	0.0	-0-	-0-	-0-
	Cases		0.1	0.1	0.1	0.0	0.0
Pneumonia, all forms -----	Deaths	490-493	34.5	30.1	28.8	26.8	26.7
	Cases		29.8	31.7	33.6	44.2	58.3
Poliomyelitis, acute -----	Deaths	080	1.1	2.8	1.2	1.4	2.9
	Cases		22.6	44.9	19.2	22.2	34.2
Rabies -----	Deaths	094	-0-	0.0	-0-	-0-	0.0
	Cases		-0-	0.0	-0-	-0-	0.0
Rheumatic fever -----	Deaths	400-402	0.7	1.0	0.6	0.7	0.7
	Cases		3.7	2.7	2.2	2.1	3.8
Rocky Mt. spotted fever -----	Deaths	104.1	0.0	-0-	0.0	-0-	-0-
	Cases		0.1	0.1	0.1	0.1	0.2
Scarlet fever, streptococcal sore throat --	Deaths	050,051	0.2	0.2	0.1	0.1	0.3
	Cases		48.7	46.4	34.2	24.9	49.2
Smallpox -----	Deaths	084	-0-	-0-	-0-	-0-	-0-
	Cases		-0-	-0-	-0-	-0-	-0-
Tetanus -----	Deaths	061	0.1	0.1	0.1	0.1	0.1
	Cases		0.3	0.4	0.2	0.2	0.4
Tuberculosis, all forms -----	Deaths	001-019	13.9	17.6	20.4	24.4	29.3
	Cases		62.0	50.2	78.4	87.4	93.5
Tularemia -----	Deaths	059	-0-	0.0	-0-	0.0	-0-
	Cases		0.3	0.8	0.8	0.9	0.9
Typhoid fever -----	Deaths	040	0.0	0.0	0.0	0.0	0.0
	Cases		0.6	0.5	0.6	0.9	1.2
Undulant fever -----	Deaths	044	-0-	0.0	-0-	0.0	0.0
	Cases		2.7	3.3	5.0	5.1	6.0
Whooping cough -----	Deaths	056	0.0	0.1	0.2	0.2	0.3
	Cases		6.4	7.9	16.5	38.2	46.2
Venereal Disease							
Gonococcal infection -----	Deaths	030-035	0.0	0.0	-0-	0.0	0.1
	Cases		232.4	185.6	230.9	240.9	294.6
Syphilis -----	Deaths	020-029	2.5	3.6	4.2	5.0	6.3
	Cases		64.5	90.0	106.4	129.0	163.3

\*Includes amebiasis carriers.

†Includes cases of encephalitis other than acute infectious.



Table 8. -- COMMUNICABLE DISEASE CASES AND DEATHS: ILLINOIS, 1944-1953 - Cont.

## B. Crude Morbidity and Mortality Rates

(Rates per 100,000 estimated midyear population computed from number of cases and deaths shown in Table 8 A; -0- means no frequency and 0.0 means less than 0.05 per 100,000)

Communicable Disease	International List Number 5th Revision	1948	1947	1946	1945	1944
Chickenpox ----- Deaths	038e	0.1	0.0	0.1	0.9	0.1
----- Cases		192.1	176.6	149.6	136.1	216.2
Diphtheria ----- Deaths	010	0.1	0.1	0.4	0.2	0.3
----- Cases		1.0	2.1	6.0	2.5	4.1
Dysentery, all forms ----- Deaths	027	0.2	0.3	0.3	0.4	0.5
----- Cases		6.1*	4.0*	3.0*	4.2*	4.1*
Encephalitis, acute infectious ----- Deaths	037	0.2	0.3	0.3	0.6	0.5
----- Cases		1.0†	0.7†	0.7†	0.9†	1.0†
Hepatitis, infectious ----- Deaths	038i	0.2	0.1	#	#	#
----- Cases		0.5	0.3	1.2	4.7	0.4
Influenza ----- Deaths	033	1.7	3.0	3.1	4.5	7.0
----- Cases		2.1	13.9	4.4	13.2	18.9
Malaria, all forms ----- Deaths	028	0.1	0.1	0.2	0.1	0.1
----- Cases		0.1	0.1	0.5	0.1	0.3
Measles ----- Deaths	035	1.0	0.1	0.6	0.1	1.1
----- Cases		505.4	103.2	332.0	102.7	254.9
Meningitis (Meningococcus) ----- Deaths	006	0.7	0.6	1.0	1.7	2.5
----- Cases		2.6	2.5	4.6	7.9	13.1
Mumps ----- Deaths	044c	0.0	-0-	0.0	0.0	0.1
----- Cases		141.7	80.3	67.6	93.3	82.1
Paratyphoid ----- Deaths	002	0.0	0.0	0.0	0.0	0.0
----- Cases		0.1	0.1	0.1	0.1	0.1
Pneumonia, all forms ----- Deaths	107-109	31.6	38.1	36.2	38.0	36.3
----- Cases		61.1	58.8	80.3	88.2	112.3
Poliomyelitis, acute ----- Deaths	036	0.8	0.3	2.3	1.3	0.5
----- Cases		13.3	10.6	32.6	14.3	7.3
Rabies ----- Deaths	038b	-0-	-0-	0.0	0.0	0.0
----- Cases		-0-	-0-	0.0	0.0	0.0
Rheumatic fever ----- Deaths	058	0.5	0.6	0.8	0.9	0.9
----- Cases		1.9	2.3	4.1	3.6	5.2
Rocky Mt. spotted fever ----- Deaths	039c	0.0	0.0	0.0	-0-	0.0
----- Cases		0.2	0.4	0.5	0.2	0.2
Scarlet fever, streptococcal sore throat -- Deaths	008,115b	0.1	0.2	0.5	0.8	0.8
----- Cases		55.4	51.9	83.9	139.2	156.8
Smallpox ----- Deaths	034	-0-	-0-	-0-	-0-	-0-
----- Cases		-0-	0.0	0.1	0.2	0.2
Tetanus ----- Deaths	012	0.1	0.1	0.2	0.2	0.3
----- Cases		0.2	0.4	0.5	0.4	0.4
Tuberculosis, all forms ----- Deaths	013-022	32.0	35.2	38.6	40.9	41.9
----- Cases		84.2	96.2	84.1	81.7	105.7
Tularemia ----- Deaths	026a	0.0	0.0	0.1	0.1	0.1
----- Cases		0.7	1.5	1.3	1.7	1.2
Typhoid fever ----- Deaths	001	0.0	0.1	0.1	0.1	0.2
----- Cases		1.1	1.7	1.4	1.1	1.3
Undulant fever ----- Deaths	005	0.1	0.1	0.0	0.1	0.1
----- Cases		6.2	6.9	6.1	4.2	4.2
Whooping cough ----- Deaths	009	0.3	0.5	0.4	0.7	0.6
----- Cases		26.6	59.3	69.4	53.2	41.9
Venereal Disease						
Gonococcal infection ----- Deaths	025	0.0	0.0	0.1	0.1	0.1
----- Cases		346.5	405.8	484.7	351.2	295.9
Syphilis ----- Deaths	030	7.4	8.4	9.7	10.3	11.2
----- Cases		205.1	239.5	302.7	280.7	329.8

\*Includes amebiasis carriers.

†Includes cases of encephalitis other than acute infectious.

#Not coded separately prior to 1947.

Table 9 -- BIRTHS AND DEATHS IN 1953 FOR COUNTIES AND THE LARGER CITIES IN ILLINOIS

("Resident" refers to births and deaths among residents of the area regardless of where the event took place, while "Recorded" is a count of all events occurring within the area irrespective of the usual residence of the persons concerned)

Area	Live Births		Stillbirths †		Deaths		Area	Live Births		Stillbirths †		Deaths	
	Resident	Recorded	Res.	Rec.	Res.	Rec.		Res.	Rec.	Res.	Rec.	Res.	Rec.
STATE TOTAL	206,813*	203,535	3,323*	3,353	96,607*	95,145	CUMBERLAND	214	29	2	2	112	66
CHICAGO	81,634	82,535	1,367	1,399	42,033	38,460	DE KALB	957	1,096	22	21	418	409
DOWNSTATE	125,179	121,000	1,956	1,954	54,574	56,685	DE KALB CITY	305	522	7	9	106	135
ADAMS	1,337	1,562	14	24	939	973	DE WITT	328	235	6	6	192	154
QUINCY	929	1,554	13	24	603	767	DOUGLAS	408	453	14	11	187	181
ALEXANDER	415	791	20	27	305	349	DU PAGE	4,495	3,012	60	39	1,507	1,347
CAIRO	231	757	17	25	199	296	DOWNERS GROVE	410	1	8	--	154	52
BOND	283	7	3	--	162	73	ELMHURST	700	2,164	8	30	217	389
BOONE	424	515	11	12	180	208	WHEATON	331	2	4	--	105	55
BROWN	115	10	3	--	104	58	EDGAR	537	477	16	16	296	283
BUREAU	754	856	7	8	467	468	EDWARDS	173	32	3	--	127	86
CALHOUN	114	19	1	2	59	36	EFF INGHAM	561	477	5	3	239	205
CARROLL	470	402	10	9	238	177	FAYETTE	463	529	8	10	302	290
CASS	270	307	3	4	206	148	FORD	323	360	2	2	170	170
CHAMPAIGN	2,494	3,551	31	49	759	834	FRANKLIN	708	544	11	9	530	437
CHAMPAIGN CITY	958	959	12	12	286	333	WEST FRANKFORT	168	8	2	--	133	141
URBANA	656	1,367	9	18	201	279	FULTON	852	781	17	16	484	403
CHRISTIAN	780	780	20	20	449	354	CANTON	250	776	9	16	153	247
CLARK	344	33	2	2	232	146	GALLATIN	170	27	5	1	113	59
CLAY	301	365	2	4	196	174	GREENE	370	563	5	5	230	177
CLINTON	556	422	14	12	222	176	GRUNDY	496	398	5	4	208	163
COLES	904	1,087	8	13	476	470	HAMILTON	195	143	8	3	138	87
MATTOON	446	770	4	8	221	242	HANCOCK	494	340	11	8	329	242
COOK	105,898	104,070	1,722	1,741	50,720	48,756	HARDIN	161	137	6	8	73	57
BERWYN	920	2,137	17	30	532	644	HENDERSON	189	3	2	--	83	31
BLUE ISLAND	487	1,108	10	28	218	353	HENRY	1,000	963	26	19	505	445
BROOKFIELD	363	--	6	--	145	75	Kewanee	309	660	8	15	192	235
CALUMET CITY	454	1	1	--	141	67	IROQUOIS	691	591	10	11	303	272
CHICAGO HEIGHTS	690	1,683	15	33	279	360	JACKSON	785	956	15	18	419	402
CICERO	1,259	9	16	--	691	375	CARBONDALE	208	536	7	11	114	177
DES PLAINES	664	1	9	--	190	82	JASPER	245	64	6	--	134	79
ELMWOOD PARK	424	2	6	1	144	69	JEFFERSON	707	775	7	10	370	387
EVANSTON	1,528	4,824	23	61	752	1,138	MT. VERNON	376	760	5	10	198	294
EVERGREEN PARK	404	4,357	10	59	95	607	JERSEY	359	28	9	3	171	106
FOREST PARK	333	--	8	1	204	98	JO DAVIESS	495	9	5	--	254	151
HARVEY	609	1,617	11	14	185	209	JOHNSON	166	49	2	1	126	84
LA GRANGE	471	1	3	--	164	65	KANE	3,736	5,964	49	81	1,692	2,521
MAYWOOD	571	5	11	2	294	151	AURORA	1,491	2,854	23	37	659	785
MELROSE PARK	540	727	12	16	143	175	ELGIN	894	2,180	10	33	496	1,266
OAK PARK	1,067	4,891	12	80	769	1,068	KANKAKEE	1,776	1,834	24	26	633	1,640
PARK RIDGE	416	4	5	--	167	80	KANKAKEE CITY	697	1,751	13	25	301	368
RIVER FOREST	175	--	1	--	112	45	KENDALL	315	3	5	--	148	84
SKOKIE	692	1	3	1	150	69							
WILMETTE	328	1	2	--	211	149							
WINNETKA	156	--	2	1	87	56							
CRAWFORD	430	364	4	3	272	227							

See footnotes at end of table.



Table 9. -- BIRTHS AND DEATHS IN 1953 FOR COUNTIES AND THE LARGER CITIES IN ILLINOIS - Cont.

("Resident" refers to births and deaths among residents of the area regardless of where the event took place, while "Recorded" is a count of all events occurring within the area irrespective of the usual residence of the persons concerned)

Area	Live Births		Stillbirths †		Deaths		Area	Live Births		Stillbirths †		Deaths	
	Resident	Recorded	Res.	Rec.	Res.	Rec.		Res.	Rec.	Res.	Rec.	Res.	Rec.
KNOX	1,160	1,219	25	26	668	652	PIKE	429	327	12	7	276	223
GALESBURG	701	1,215	19	24	410	505	POPE	95	18	5	2	64	31
LAKE	5,410	6,646	76	86	1,654	1,779	PULASKI	288	114	11	7	165	97
HIGHLAND PARK	394	590	5	4	148	153	PUTNAM	88	2	1	--	50	17
WAUKEGAN	1,191	1,390	14	16	402	325	RANDOLPH	613	940	11	16	368	449
LA SALLE	2,462	2,660	34	39	1,187	1,126	RICHLAND	344	462	10	13	161	214
LA SALLE CITY	272	454	8	11	154	184	ROCK ISLAND	3,336	3,463	49	57	1,395	1,584
OTTAWA	474	834	2	7	212	240	EAST MOLINE	316	4	5	1	122	319
STREATOR	493	873	7	16	219	263	MOLINE	1,028	2,464	17	40	435	585
LAWRENCE	378	370	11	11	245	233	ROCK ISLAND	1,167	993	16	16	570	518
LEE	798	809	17	21	383	539	ST. CLAIR	6,064	5,303	93	108	2,379	2,192
DIXON	346	711	12	20	162	206	BELLEVILLE	1,228	1,474	21	30	416	558
LIVINGSTON	813	797	16	16	403	459	E. ST. LOUIS	2,330	3,047	42	63	1,150	1,218
LOGAN	561	610	3	4	339	446	SALINE	504	820	10	17	452	433
LINCOLN	275	607	--	4	161	325	HARRISBURG	175	423	3	8	167	172
MC DONOUGH	570	575	7	7	338	324	SANGAMON	3,194	3,686	50	53	1,533	1,828
MACOMB	204	145	2	1	129	98	SPRINGFIELD	1,877	3,683	24	53	1,039	1,635
MC HENRY	1,417	850	21	14	606	500	SCHUYLER	194	133	1	2	113	83
MC LEAN	1,748	1,902	24	23	871	824	SCOTT	138	5	1	--	85	41
BLOOMINGTON	785	1,575	9	17	446	519	SHELBY	495	362	10	8	281	213
MACON	2,449	2,837	25	33	1,048	1,112	STARK	181	1	1	--	80	33
DECATUR	1,800	2,834	16	33	781	981	STEPHENSON	917	1,246	14	15	471	537
MACOUPIN	827	390	13	4	571	406	FREEPORT	499	1,241	8	14	289	425
MADISON	5,048	4,711	76	74	1,704	1,808	TAZEWELL	2,339	904	38	6	653	450
ALTON	831	1,946	12	29	387	574	PEKIN	586	891	8	5	240	258
COLLINSVILLE	342	3	4	--	142	57	UNION	322	433	6	10	200	447
GRANITE CITY	922	1,281	15	21	294	297	VERMILION	2,168	2,401	40	45	1,080	1,144
WOOD RIVER	278	4	3	--	72	17	DANVILLE	1,071	2,381	23	44	545	717
MARION	887	1,062	15	18	475	438	WABASH	366	418	5	8	192	204
CENTRALIA	358	694	3	9	183	234	WARREN	421	614	12	12	230	237
MARSHALL	286	4	4	--	160	79	MONMOUTH	210	410	2	9	140	72
MASON	276	3	4	--	188	82	WASHINGTON	238	16	5	--	163	122
MASSAC	419	194	8	7	182	136	WAYNE	391	486	9	14	221	207
MENARD	181	8	3	--	108	48	WHITE	439	276	12	7	229	182
MERCER	363	248	2	3	199	153	WHITESIDE	1,421	1,331	21	25	525	465
MONROE	316	1	4	--	155	95	STERLING	348	1,015	7	17	166	246
MONTGOMERY	619	835	9	18	410	486	WILL	3,487	3,418	58	55	1,421	1,385
MORGAN	636	903	6	11	410	853	JOLIET	2,025	3,398	30	53	749	968
JACKSONVILLE	317	898	4	11	251	783	WILLIAMSON	872	802	13	14	596	611
MOULTRIE	305	34	4	--	186	127	MARION	244	248	5	6	162	136
OGLE	777	392	16	8	341	261	WINNEBAGO	4,745	4,524	71	67	1,520	1,406
PEORIA	4,447	6,280	56	90	1,715	2,234	ROCKFORD	2,746	4,515	42	67	1,094	1,198
PEORIA CITY	2,589	6,215	39	88	1,202	1,610	WOODFORD	552	5	5	--	232	155
PERRY	445	509	7	8	202	192							
PIATT	300	163	1	1	154	118							

\*The State totals include 16 live births, 21 stillbirths, and 91 deaths for which the specific place of residence within the State was not reported.

†Fetus having advanced to 5th month (20 weeks) of uterogestation.

Table 10. -- INFANT AND MATERNAL DEATHS AMONG RESIDENTS OF ECONOMIC AREAS: ILLINOIS, 1953

(Includes deaths occurring outside Illinois affecting residents of these areas)

Area	Deaths Under 1 Year Of Age			Maternal Deaths	Area	Deaths Under 1 Year Of Age			Maternal Deaths
	Total	Under 28 days	28 days to 11 months			Total	Under 28 days	28 days to 11 months	
<u>ILLINOIS TOTAL</u>	<u>5,326*</u>	<u>3,812*</u>	<u>1,514</u>	<u>98</u>	<u>ECONOMIC AREA 1</u>	<u>142</u>	<u>104</u>	<u>38</u>	<u>2</u>
ROCK ISLAND METROPOLITAN AREA	84	62	22	4	CARROLL COUNTY	12	7	5	--
ROCK ISLAND COUNTY	84	62	22	4	DE KALB COUNTY	20	16	4	--
EAST MOLINE	15	11	4	--	DE KALB CITY	3	3	--	--
MOLINE	24	19	5	1	JO DAVIESS COUNTY	7	6	1	1
ROCK ISLAND CITY	27	20	7	2	LEE COUNTY	17	16	1	--
					DIXON	11	11	--	--
ROCKFORD METROPOLITAN AREA	118	92	26	1	OGLE COUNTY	20	14	6	--
WINNEBAGO COUNTY	118	92	26	1	STEPHENSON COUNTY	20	15	5	1
ROCKFORD	70	55	15	1	FREEPORT	15	11	4	--
					WHITESIDE COUNTY	46	30	16	--
CHICAGO METROPOLITAN AREA	3,180	2,267	913	57	STERLING	16	12	4	--
COOK COUNTY	2,742	1,951	791	55	<u>ECONOMIC AREA 2</u>	<u>40</u>	<u>25</u>	<u>15</u>	<u>1</u>
BERWYN	20	15	5	--	BOONE COUNTY	16	11	5	--
BLUE ISLAND	12	7	5	--	MC HENRY COUNTY	24	14	10	1
BROOKFIELD	7	5	2	1					
CALUMET CITY	6	3	3	2	<u>ECONOMIC AREA 3</u>	<u>148</u>	<u>96</u>	<u>52</u>	<u>3</u>
CHICAGO	2,228	1,572	656	41	BUREAU COUNTY	20	13	7	--
CHICAGO HEIGHTS	15	8	7	1	FULTON COUNTY	20	15	5	--
CICERO	23	17	6	3	CANTON	8	7	1	--
DES PLAINES	20	15	5	--	HANCOCK COUNTY	8	6	2	1
ELMWOOD PARK	7	5	2	--	HENDERSON COUNTY	2	1	1	--
EVANSTON	35	25	10	1	HENRY COUNTY	20	13	7	1
EVERGREEN PARK	7	7	--	--	KEWANEE	8	5	3	--
FOREST PARK	10	6	4	--	KNOX COUNTY	36	21	15	--
HARVEY	10	8	2	--	GALESBURG	25	14	11	--
LA GRANGE	13	11	2	--	MC DONOUGH COUNTY	10	8	2	--
MAYWOOD	9	7	2	--	MACOMB	4	3	1	--
MELROSE PARK	14	10	4	--	MARSHALL COUNTY	5	1	4	--
OAK PARK	19	14	5	--	MERCER COUNTY	6	6	--	--
PARK RIDGE	4	3	1	--	PUTNAM COUNTY	1	1	--	--
RIVER FOREST	2	1	1	--	STARK COUNTY	1	--	1	--
SKOKIE	12	12	--	--	WARREN COUNTY	19	11	8	1
WILMETTE	8	8	--	--	MONMOUTH	11	6	5	1
WINNETKA	3	2	1	--					
DU PAGE COUNTY	85	65	20	--	<u>ECONOMIC AREA 4</u>	<u>129</u>	<u>104</u>	<u>25</u>	<u>3</u>
DOWNERS GROVE	11	11	--	--	ADAMS COUNTY	40	35	5	1
ELMHURST	8	7	1	--	QUINCY	29	25	4	--
WHEATON	7	4	3	--	BROWN COUNTY	3	3	--	--
KANE COUNTY	100	70	30	1	CALHOUN COUNTY	1	--	1	--
AURORA	36	25	11	1	GREENE COUNTY	10	9	1	--
ELGIN	26	20	6	--	JERSEY COUNTY	12	11	1	--
LAKE COUNTY	127	92	35	--	MACOUPIN COUNTY	16	16	--	--
HIGHLAND PARK	2	--	2	--	MONTGOMERY COUNTY	16	9	7	--
WAUKEGAN	35	27	8	--	MORGAN COUNTY	15	10	5	1
WILL COUNTY	126	89	37	1	JACKSONVILLE	8	7	1	1
JOLIET	72	61	11	--	PIKE COUNTY	11	9	2	--
PEORIA METROPOLITAN AREA	176	129	47	2	SCHUYLER COUNTY	1	--	1	1
PEORIA COUNTY	117	89	28	--	SCOTT COUNTY	4	2	2	--
PEORIA CITY	77	57	20	--					
TAZEWELL COUNTY	59	40	19	2	<u>ECONOMIC AREA 5</u>	<u>126</u>	<u>87</u>	<u>39</u>	<u>2</u>
PEKIN	11	8	3	--	GRUNDY COUNTY	10	5	5	--
SPRINGFIELD METROPOLITAN AREA	85	63	22	--	KANKAKEE COUNTY	44	28	16	1
SANGAMON COUNTY	85	63	22	--	KANKAKEE CITY	21	14	7	--
SPRINGFIELD	45	33	12	--	KENDALL COUNTY	6	2	4	--
EAST ST. LOUIS METROPOLITAN AREA	316	228	88	7	LA SALLE COUNTY	66	52	14	1
MADISON COUNTY	131	97	34	3	LA SALLE CITY	9	7	2	--
ALTON	27	17	10	--	OTTAWA	15	10	5	--
COLLINSVILLE	10	10	--	--	STREATOR	11	9	2	1
GRANITE CITY	26	20	6	--					
WOOD RIVER	6	6	--	--					
ST. CLAIR COUNTY	185	131	54	4					
BELLEVILLE	32	29	3	--					
EAST ST. LOUIS	82	47	35	3					

\*Includes 6 deaths of unknown place of residence in Illinois.



Table 10. -- INFANT AND MATERNAL DEATHS AMONG RESIDENTS OF ECONOMIC AREAS: ILLINOIS, 1953 - Cont.

(Includes deaths occurring outside Illinois affecting residents of these areas)

Area	Deaths Under 1 Year Of Age			Maternal Deaths	Area	Deaths Under 1 Year Of Age			Maternal Deaths
	Total	Under 28 days	28 days to 11 months			Total	Under 28 days	28 days to 11 months	
<b>ECONOMIC AREA 6</b>	<b>404</b>	<b>287</b>	<b>117</b>	<b>6</b>	<b>ECONOMIC AREA 8 Cont.</b>				
CASS COUNTY	10	8	2	--	CUMBERLAND COUNTY	3	2	1	--
CHAMPAIGN COUNTY	61	41	20	--	HAMILTON COUNTY	4	3	1	--
CHAMPAIGN CITY	23	15	8	--	JASPER COUNTY	6	3	3	--
URBANA	10	8	2	--	MARION COUNTY	24	15	9	--
CHRISTIAN COUNTY	19	14	5	--	CENTRALIA	6	4	2	--
COLES COUNTY	24	16	8	--	RICHLAND COUNTY	11	10	1	--
MATTOON	10	7	3	--	WAYNE COUNTY	13	9	4	--
DE WITT COUNTY	11	7	4	--					
DOUGLAS COUNTY	9	6	3	--	<b>ECONOMIC AREA 9</b>	<b>50</b>	<b>40</b>	<b>10</b>	<b>2</b>
EDGAR COUNTY	14	7	7	--	CLARK COUNTY	6	5	1	--
FORD COUNTY	8	6	2	--	CRAWFORD COUNTY	11	10	1	1
IROQUOIS COUNTY	16	10	6	1	EDWARDS COUNTY	3	2	1	--
LIVINGSTON COUNTY	17	13	4	2	GALLATIN COUNTY	4	3	1	--
LOGAN COUNTY	11	6	5	--	LAWRENCE COUNTY	9	5	4	--
LINCOLN	8	6	2	--	WABASH COUNTY	7	6	1	--
MC LEAN COUNTY	31	24	7	2	WHITE COUNTY	10	9	1	1
BLOOMINGTON	15	11	4	1					
MACON COUNTY	72	54	18	--	<b>ECONOMIC AREA 10</b>	<b>77</b>	<b>57</b>	<b>20</b>	<b>1</b>
DECATUR	50	35	15	--	FRANKLIN COUNTY	13	10	3	--
MASON COUNTY	5	4	1	1	WEST FRANKFORT	--	--	--	--
MENARD COUNTY	6	5	1	--	JEFFERSON COUNTY	24	17	7	--
MOULTRIE COUNTY	2	2	--	--	MT. VERNON	13	10	3	--
PIATT COUNTY	12	10	2	--	PERRY COUNTY	10	7	3	--
SHELBY COUNTY	10	6	4	--	SALINE COUNTY	14	10	4	--
VERMILION COUNTY	51	36	15	--	HARRISBURG	8	6	2	--
DANVILLE	30	23	7	--	WILLIAMSON COUNTY	16	13	3	1
WOODFORD COUNTY	15	12	3	--	MARION	3	2	1	--
<b>ECONOMIC AREA 7</b>	<b>63</b>	<b>45</b>	<b>18</b>	<b>4</b>	<b>ECONOMIC AREA 11</b>	<b>110</b>	<b>72</b>	<b>38</b>	<b>3</b>
BOND COUNTY	4	4	--	--	ALEXANDER COUNTY	24	14	10	1
CLINTON COUNTY	7	4	3	--	CAIRO	17	9	8	1
EFFINGHAM COUNTY	16	10	6	2	HARDIN COUNTY	8	7	1	--
FAYETTE COUNTY	9	7	2	1	JACKSON COUNTY	28	16	12	--
MONROE COUNTY	6	4	2	--	CARBONDALE	10	4	6	--
RANDOLPH COUNTY	15	10	5	1	JOHNSON COUNTY	11	7	4	--
WASHINGTON COUNTY	6	6	--	--	MASSAC COUNTY	10	7	3	2
					POPE COUNTY	3	3	--	--
<b>ECONOMIC AREA 8</b>	<b>72</b>	<b>48</b>	<b>24</b>	<b>--</b>	PULASKI COUNTY	13	10	3	--
CLAY COUNTY	11	6	5	--	UNION COUNTY	13	8	5	--

Table 11. -- INFANT AND MATERNAL DEATH RATES: ILLINOIS ECONOMIC AREAS, 1953

(All rates per 1,000 live births; see map on back page for location of economic areas)

Class of Death	State Rate	ECONOMIC AREAS																
		A	B	C	D	E	F	1	2	3	4	5	6	7	8	9	10	11
Total deaths under 1 year of age	25.8	25.2	24.9	25.8	25.9	26.6	28.4	24.3	21.7	23.3	25.1	25.0	24.4	20.8	27.9	21.7	23.8	41.5
Under 28 days	18.4	18.6	19.4	18.4	19.0	19.7	20.5	17.8	13.6	15.1	20.2	17.2	17.3	14.9	18.6	17.4	17.6	27.2
28 days to 11 months	7.3	6.6	5.5	7.4	6.9	6.9	7.9	6.5	8.1	8.2	4.9	7.7	7.1	5.9	9.3	4.3	6.2	14.3
Maternal deaths	0.5	0.1	0.2	0.5	0.3	-0-	0.6	0.3	0.5	0.5	0.6	0.4	0.4	0.1	-0-	0.9	0.3	1.1

Table 12. -- RESIDENT LIVE BIRTH, STILLBIRTH, AND DEATH RATES: CENSUS ECONOMIC AREAS OF ILLINOIS, 1953

SEE MAP ON BACK PAGE FOR LOCATION OF ECONOMIC AREAS

(Live birth and death rates per 1,000 population and stillbirth rates per 1,000 live births computed from number of resident events shown in Table 9.)

Area	Estimated Population as of July 1, 1953	Live Birth Rate	Stillbirth Rate	Death Rate	Area	Estimated Population as of July 1, 1953	Live Birth Rate	Stillbirth Rate	Death Rate
<b>ILLINOIS TOTAL</b>	<b>9,044,000</b>	<b>22.9</b>	<b>16.1</b>	<b>10.7</b>	<b>ECONOMIC AREA 1</b>	<b>250,985</b>	<b>23.3</b>	<b>18.0</b>	<b>10.5</b>
ROCK ISLAND METROPOLITAN AREA	141,600	23.6	14.7	9.9	CARROLL COUNTY	19,375	24.3	21.3	12.3
ROCK ISLAND COUNTY	141,600	23.6	14.7	9.9	DE KALB COUNTY	43,240	22.2	23.0	9.7
EAST MOLINE	14,550	21.7	15.8	8.4	DE KALB CITY	12,500	24.5	22.9	8.5
MOLINE	38,930	26.4	16.5	11.2	JO DAVIESS COUNTY	21,790	22.7	10.1	11.7
ROCK ISLAND CITY	51,300	22.7	13.7	11.1	LEE COUNTY	37,600	21.2	21.3	10.2
ROCKFORD METROPOLITAN AREA	165,250	28.7	15.0	9.2	DIXON	11,880	29.1	34.7	13.6
WINNEBAGO COUNTY	165,250	28.7	15.0	9.2	OGLE COUNTY	34,875	22.3	20.6	9.8
ROCKFORD	109,500	25.1	15.3	10.0	STEPHENSON COUNTY	42,130	21.8	15.3	11.2
CHICAGO METROPOLITAN AREA	5,351,860	23.0	16.0	10.6	FREEPORT	22,675	22.0	16.0	12.7
COOK COUNTY	4,669,810	22.7	16.3	10.9	WHITESIDE COUNTY	51,975	27.3	14.8	10.1
BERWYN	52,300	17.6	18.5	10.2	STERLING	13,500	25.8	20.1	12.3
BLUE ISLAND	18,235	26.7	20.5	12.0	<b>ECONOMIC AREA 2</b>	<b>72,675</b>	<b>25.3</b>	<b>17.4</b>	<b>10.8</b>
BROOKFIELD	17,600	20.6	16.5	8.2	BOONE COUNTY	17,775	23.9	25.9	10.1
CALUMET CITY	16,550	27.4	2.2	8.5	MC HENRY COUNTY	54,900	25.8	14.8	11.0
CHICAGO	3,718,865	22.0	16.7	11.3	<b>ECONOMIC AREA 3</b>	<b>312,615</b>	<b>20.3</b>	<b>18.1</b>	<b>11.5</b>
CHICAGO HEIGHTS	25,575	27.0	21.7	10.9	BUREAU COUNTY	37,825	19.9	9.3	12.3
CICERO	68,780	18.3	12.7	10.0	FULTON COUNTY	43,700	19.5	20.0	11.1
DES PLAINES	20,660	32.1	13.6	9.2	CANTON	12,075	20.7	36.0	12.7
ELMWOOD PARK	20,240	20.8	14.2	7.1	HANCOCK COUNTY	25,500	19.4	22.3	12.9
EVANSTON	75,450	20.3	15.0	10.0	HENDERSON COUNTY	8,245	22.9	10.6	10.1
EVERGREEN PARK	11,300	35.8	24.8	8.4	HENRY COUNTY	47,700	21.0	26.0	10.6
FOREST PARK	15,115	22.0	24.1	13.5	KEWANEE	16,935	18.2	25.9	11.3
HARVEY	21,610	28.2	18.1	8.6	KNOX COUNTY	55,250	21.0	21.5	12.1
LA GRANGE	13,050	36.1	6.4	12.6	GALESBURG	32,380	21.7	27.1	12.7
MAYWOOD	27,885	20.5	19.2	10.5	MC DONOUGH COUNTY	28,640	19.9	12.3	11.8
MELROSE PARK	14,335	37.6	22.3	10.0	MACOMB	10,775	18.9	9.8	12.0
OAK PARK	63,490	16.8	11.2	12.1	MARSHALL COUNTY	13,025	22.0	14.0	12.3
PARK RIDGE	18,725	22.2	12.0	8.9	MERCER COUNTY	17,305	21.0	5.5	11.5
RIVER FOREST	10,950	16.0	5.7	10.2	PUTNAM COUNTY	4,570	19.3	11.4	10.9
SKOKIE	24,000	28.8	4.3	6.3	STARK COUNTY	8,685	20.8	5.5	9.2
WILMETTE	18,485	17.7	6.1	11.4	WARREN COUNTY	22,170	19.0	28.5	10.4
WINNETKA	12,070	12.9	12.8	7.2	MONMOUTH	10,425	20.1	9.5	13.4
DU PAGE COUNTY	178,900	25.1	13.3	8.4	<b>ECONOMIC AREA 4</b>	<b>261,090</b>	<b>19.7</b>	<b>14.4</b>	<b>12.9</b>
DOWNERS GROVE	14,400	28.4	19.6	10.7	ADAMS COUNTY	64,750	20.6	10.5	14.5
ELMHURST	25,300	27.7	11.4	8.6	QUINCY	41,730	22.3	14.0	14.5
WHEATON	15,600	21.2	12.1	6.7	BROWN COUNTY	6,875	16.7	26.1	15.1
KANE COUNTY	161,400	23.1	13.1	10.5	CALHOUN COUNTY	6,550	17.4	8.8	9.0
AURORA	52,400	28.5	15.4	12.6	GREENE COUNTY	18,520	20.0	13.5	12.4
ELGIN	45,835	20.4	11.2	11.3	JERSEY COUNTY	15,870	22.6	25.1	10.8
LAKE COUNTY	198,700	27.2	14.0	8.3	MACOUPIN COUNTY	43,335	19.1	15.7	13.2
HIGHLAND PARK	17,860	22.1	12.7	8.3	MONTGOMERY COUNTY	31,910	19.4	14.5	12.8
WAUKEGAN	41,230	28.9	11.7	9.8	MORGAN COUNTY	36,000	17.7	9.4	11.4
WILL COUNTY	143,050	24.4	16.6	9.9	JACKSONVILLE	20,700	15.3	12.6	12.1
JOLIET	55,600	36.4	14.8	13.5	PIKE COUNTY	21,360	20.1	28.0	12.9
PEORIA METROPOLITAN AREA	268,350	25.3	13.9	8.8	SCHUYLER COUNTY	9,020	21.5	5.2	12.5
PEORIA COUNTY	184,000	24.2	12.6	9.3	SCOTT COUNTY	6,900	20.0	7.2	12.3
PEORIA CITY	114,800	22.6	15.1	10.5	<b>ECONOMIC AREA 5</b>	<b>210,880</b>	<b>23.9</b>	<b>13.5</b>	<b>10.3</b>
TAZEWELL COUNTY	84,350	27.7	16.2	7.7	GRUNDY COUNTY	19,630	25.3	10.1	10.6
PEKIN	21,360	27.4	13.7	11.2	KANKAKEE COUNTY	76,550	23.2	13.5	8.3
SPRINGFIELD METROPOLITAN AREA	136,520	23.4	15.7	11.2	KANKAKEE CITY	27,210	25.7	18.6	11.1
SANGAMON COUNTY	136,520	23.4	15.7	11.2	KENDALL COUNTY	12,525	25.1	15.9	11.8
SPRINGFIELD	83,820	22.4	12.8	12.4	LA SALLE COUNTY	102,175	24.1	13.8	11.6
EAST ST. LOUIS METROPOLITAN AREA	419,030	26.5	15.2	9.7	LA SALLE CITY	12,115	22.5	29.4	12.7
MADISON COUNTY	197,800	25.5	15.1	8.6	OTTAWA	17,440	27.2	4.2	12.2
ALTON	33,550	24.7	14.5	11.5	STREATOR	17,100	28.8	14.2	12.8
COLLINSVILLE	12,450	27.5	11.7	11.4					
GRANITE CITY	32,450	28.4	16.3	9.1					
WOOD RIVER	11,080	25.1	10.8	6.5					
ST. CLAIR COUNTY	221,230	27.4	15.3	10.8					
BELLEVILLE	35,100	35.0	17.1	11.9					
EAST ST. LOUIS	85,450	27.3	18.0	13.5					



Table 12. -- RESIDENT LIVE BIRTH, STILLBIRTH, AND DEATH RATES: CENSUS ECONOMIC AREAS OF ILLINOIS, 1953 - Cont.

SEE MAP ON BACK PAGE FOR LOCATION OF ECONOMIC AREAS

(Live birth and death rates per 1,000 population and stillbirth rates per 1,000 live births computed from number of resident events shown in Table 9.)

Area	Estimated Population as of July 1, 1953	Live Birth Rate	Stillbirth Rate	Death Rate	Area	Estimated Population as of July 1, 1953	Live Birth Rate	Stillbirth Rate	Death Rate
<b>ECONOMIC AREA 6</b>	<b>756,320</b>	<b>21.9</b>	<b>14.8</b>	<b>10.5</b>	<b>ECONOMIC AREA 8 Cont.</b>				
CASS COUNTY	14,860	18.2	11.1	13.9	CUMBERLAND COUNTY	10,120	21.1	9.3	11.1
CHAMPAIGN COUNTY	113,700	21.9	12.4	6.7	HAMILTON COUNTY	12,140	16.1	41.0	11.4
CHAMPAIGN CITY	43,650	21.9	12.5	6.6	JASPER COUNTY	11,800	20.8	24.5	11.4
URBANA	25,000	26.2	13.7	8.0	MARION COUNTY	40,725	21.8	16.9	11.7
CHRISTIAN COUNTY	39,055	20.0	25.6	11.5	CENTRALIA	12,935	27.7	8.4	14.1
COLES COUNTY	41,290	21.9	8.8	11.5	RICHLAND COUNTY	16,750	20.5	29.1	9.6
MATTOON	18,230	24.5	9.0	12.1	WAYNE COUNTY	20,800	18.8	23.0	10.6
DE WITT COUNTY	16,525	19.8	18.3	11.6					
DOUGLAS COUNTY	16,425	24.8	34.3	11.4	<b>ECONOMIC AREA 9</b>	<b>112,905</b>	<b>20.4</b>	<b>18.3</b>	<b>12.5</b>
EDGAR COUNTY	23,520	22.8	29.8	12.6	CLARK COUNTY	16,640	20.7	5.8	13.9
FORO COUNTY	16,210	19.9	6.2	10.5	CRAWFORD COUNTY	21,135	20.3	9.3	12.9
IROQUOIS COUNTY	32,600	21.2	14.5	9.3	EDWARDS COUNTY	9,040	19.1	17.3	14.0
LIVINGSTON COUNTY	37,640	21.6	19.7	10.7	GALLATIN COUNTY	9,575	17.8	29.4	11.8
LOGAN COUNTY	31,975	17.5	5.3	10.6	LAWRENCE COUNTY	20,425	18.5	29.1	12.0
LINCOLN	14,650	18.8	-0-	11.0	WABASH COUNTY	14,915	24.5	13.7	12.9
MC LEAN COUNTY	77,860	22.4	13.7	11.2	WHITE COUNTY	21,175	20.7	27.3	10.8
BLOOMINGTON	34,890	22.5	11.5	12.8					
MACON COUNTY	106,000	23.1	10.2	9.9	<b>ECONOMIC AREA 10</b>	<b>186,485</b>	<b>17.4</b>	<b>14.8</b>	<b>11.5</b>
DECATUR	69,465	25.9	8.9	11.2	FRANKLIN COUNTY	48,020	14.7	15.5	11.0
MASON COUNTY	15,350	18.0	14.5	12.2	WEST FRANKFORT	11,300	14.9	11.9	11.8
MENARD COUNTY	9,390	19.3	16.6	11.5	JEFFERSON COUNTY	36,450	19.4	9.9	10.2
MOULTRIE COUNTY	13,120	23.2	13.1	14.2	MT. VERNON	15,980	23.5	13.3	12.4
PIATT COUNTY	13,825	21.7	3.3	11.1	PERRY COUNTY	21,340	20.9	15.7	9.5
SHELBY COUNTY	23,900	20.7	20.2	11.8	SALINE COUNTY	32,750	15.4	19.8	13.8
VERMILION COUNTY	90,775	23.9	18.5	11.9	HARRISBURG	10,970	16.0	17.1	15.2
DANVILLE	38,490	27.8	21.5	14.2	WILLIAMSON COUNTY	47,925	18.2	14.9	12.4
WOODFORD COUNTY	22,300	24.8	9.1	10.4	MARION	10,600	23.0	20.5	15.3
<b>ECONOMIC AREA 7</b>	<b>141,420</b>	<b>21.4</b>	<b>16.5</b>	<b>11.4</b>	<b>ECONOMIC AREA 11</b>	<b>126,380</b>	<b>21.0</b>	<b>27.5</b>	<b>12.1</b>
BOND COUNTY	14,100	20.1	10.6	11.5	ALEXANDER COUNTY	19,800	21.0	48.2	15.4
CLINTON COUNTY	22,965	24.2	25.2	9.7	CAIRO	11,990	19.3	73.6	16.6
EFFINGHAM COUNTY	21,670	25.9	8.9	11.0	HARDIN COUNTY	7,490	21.5	37.3	9.7
FAYETTE COUNTY	23,825	19.4	17.3	12.7	JACKSON COUNTY	38,390	20.4	19.1	10.9
MONROE COUNTY	13,450	23.5	12.7	11.5	CARBONDALE	11,200	18.6	33.7	10.2
RANDOLPH COUNTY	31,250	19.6	17.9	11.8	JOHNSON COUNTY	8,410	19.7	12.0	15.0
WASHINGTON COUNTY	14,160	16.8	21.0	11.5	MASSAC COUNTY	13,090	32.0	19.1	13.9
					POPE COUNTY	5,480	17.3	52.6	11.7
<b>ECONOMIC AREA 8</b>	<b>129,635</b>	<b>19.9</b>	<b>20.2</b>	<b>11.1</b>	PULASKI COUNTY	13,020	22.1	38.2	12.7
CLAY COUNTY	17,300	17.4	6.6	11.3	UNION COUNTY	20,700	15.6	18.6	9.7

TABLE 13. -- CRUDE MORTALITY RATES FOR SELECTED CAUSES OF DEATH AMONG RESIDENTS OF THE ECONOMIC AREAS OF ILLINOIS, 1953

(ALL RATES ARE PER 100,000 ESTIMATED MIDYEAR POPULATION)

CAUSES	STATE RATE	ECONOMIC AREAS																
		A	B	C	D	E	F	1	2	3	4	5	6	7	8	9	10	11
ALL CAUSES	1068	985	920	1065	882	1123	974	1048	1082	1149	1290	1032	1048	1139	1108	1249	1153	1214
HEART DISEASE	451	382	313	469	333	487	373	435	458	467	523	414	434	414	428	477	450	437
CANCER	168	165	147	173	146	189	142	145	171	172	185	164	155	165	159	180	171	150
VASCULAR LESIONS OF CENTRAL NERVOUS SYSTEM	113	123	116	100	90	114	110	123	107	158	182	115	128	150	150	170	143	145
ALL ACCIDENTS	59	67	70	53	52	63	68	66	77	62	74	74	63	74	67	84	66	105
CONGENITAL MALFORMATIONS AND CERTAIN DISEASES PECULIAR TO EARLY INFANCY	47	49	61	47	54	48	59	48	41	39	46	48	44	38	40	40	35	66
PNEUMONIA AND INFLUENZA	38	34	33	39	35	23	35	33	51	36	40	37	28	33	40	55	35	54
GENERAL ARTERIOSCLEROSIS	18	30	16	11	24	17	18	21	29	30	41	23	24	53	34	36	40	49
NEPHRITIS, ACUTE AND CHRONIC	17	11	11	16	13	3	22	23	8	25	19	19	19	23	14	33	23	39
DIABETES MELLITUS	17	12	17	16	15	16	18	20	12	17	26	19	19	22	29	24	14	17
TUBERCULOSIS, ALL FORMS	14	7	8	17	7	4	14	4	8	7	7	7	7	4	11	12	21	15
CIRRHOSIS OF THE LIVER	12	8	13	15	8	12	11	7	4	6	10	7	9	6	7	5	10	5
ALL OTHER CAUSES	114	97	116	108	106	146	104	124	114	131	136	104	119	156	130	132	144	132

NOTE: SEE BACK PAGE FOR LOCATION OF ECONOMIC AREAS, TABLE 12 FOR ESTIMATED MIDYEAR POPULATION, AND TABLES A-R FOR NUMBER OF DEATHS AMONG RESIDENTS OF THESE AREAS.

Table A. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
ILLINOIS RESIDENTS, 1953

(Includes deaths of Illinois residents occurring outside the State)

CAUSES OF DEATH	LIST NO.*	All Ages	AGE AT DEATH					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
ALL CAUSES		96,607†	6,245	803	1,283	6,708	27,728	53,840
Infective and Parasitic Diseases	001-138	1,916	159	72	69	421	774	421
Dysentery, all forms	045-048	22	4	3	--	2	6	7
Encephalitis, acute infectious	082	15	8	1	1	3	1	1
Gonococcal infection	030-035	3	--	--	--	2	1	--
Measles	085	21	16	4	1	--	--	--
Meningococcal infections	057	66	46	8	2	4	3	3
Polio myelitis, acute	080	104	13	32	15	43	1	--
Syphilis	020-029	224	--	--	1	12	128	83
Tetanus	061	12	2	1	1	2	4	2
Tuberculosis, all forms	001-019	1,256	33	10	36	324	570	283
Tuberculosis, respiratory	001-008	1,142	7	3	31	296	533	272
Typhoid fever	040	1	--	--	--	--	--	1
Whooping cough	056	4	3	1	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		188	34	12	12	29	60	41
Neoplasms	140-239	15,409	109	99	97	1,174	6,170	7,760
Malignant	140-205	15,159	99	92	92	1,114	6,063	7,699
Buccal cavity and pharynx	140-148	376	1	--	1	21	154	199
Digestive system	150-159	5,918	2	3	3	234	2,097	3,579
Respiratory system	160-164	1,932	1	--	2	87	1,026	816
Breast	170	1,415	--	--	--	187	667	561
Genital organs	171-179	2,344	--	1	8	213	912	1,210
All other sites	180-199	1,984	46	37	31	200	760	910
Leukemia and aleukemia	204	609	45	41	23	68	211	221
Lymphosarcoma	200-203,205	581	4	10	24	104	236	203
Benign and unspecified	210-239	250	10	7	5	60	107	61
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	55,538	47	63	156	2,254	15,301	37,717
Cardiovascular disease	330-334,400-468	53,974	33	45	116	2,067	14,869	36,844
Vascular lesions, CNS	330-334	10,194	13	5	14	335	2,447	7,380
Rheumatic fever	400-402	62	3	13	8	24	11	3
Diseases of the heart	410-443	40,799	15	21	73	1,592	11,922	27,176
Chronic rheumatic heart	410-416	1,254	1	8	38	278	557	372
Arteriosclerotic heart	420	25,524	5	1	7	813	7,967	16,731
Nonrheumatic degenerative	421-422	7,337	2	3	16	264	1,375	5,677
Other heart	430-434	1,817	7	8	10	113	666	1,013
Hypertension with heart disease	440-443	4,867	XXX	1	2	124	1,357	3,383
Hypertension without heart disease	444-447	826	XXX	--	4	64	225	533
General arteriosclerosis	450	1,631	XXX	XXX	--	4	104	1,523
Other circulatory diseases	451-468	462	2	6	17	48	160	229
Nephritis, acute and chronic	590-594	1,564	14	18	40	187	432	873
Other Selected Causes (As listed)		13,103	5,207	131	130	760	2,457	4,418
Appendicitis	550-553	168	8	15	6	26	60	53
Certain diseases peculiar to early infancy	760-776	3,232	3,232	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	1,128	7	4	3	193	580	341
Congenital malformations	750-759	1,062	915	27	21	37	41	21
Diabetes mellitus	260	1,520	3	7	12	83	483	932
Gastritis, enteritis, and colitis	543,571,572	426	224	7	12	33	58	92
Hernia, intestinal obstruction	560,561,570	610	60	6	3	41	164	336
Hyperplasia of prostate	610	437	XXX	XXX	--	--	51	386
Influenza	480-483	300	25	6	2	9	44	214
Maternal causes	640-689	98	XXX	--	21	76	1	XXX
Pneumonia	490-493	3,116	704	57	39	198	652	1,466
Ulcer of stomach and duodenum	540-541	629	7	1	6	50	281	284
Senility and ill defined causes	780-795	377	22	1	5	14	42	293
All Other Diseases	Residual of 240-795	3,908	367	101	91	428	1,257	1,664
External Causes of Death	E800-E899	6,733	356	337	740	1,671	1,769	1,860
All accidents	E800-E962	5,375	345	328	646	1,207	1,257	1,592
Motor vehicle	E810-E835,E960	2,299	86	129	441	665	573	405
Other	E800-E802,E840-E959,E961-E962	3,076	259	199	205	542	684	1,187
Suicide	E963,E970-E979	936	XXX	--	32	239	421	244
Homicide	E964,E980-E985	420	11	9	61	225	90	24

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.

†Includes 91 deaths of unknown place of residence in Illinois, which are not included in the following tables.



Table B. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF THE ROCK ISLAND-MOLINE AREA, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	A G E A T D E A T H					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
ALL CAUSES		1,395	96	13	25	85	378	798
Infective and Parasitic Diseases	001-138	19	2	3	1	--	10	3
Dysentery, all forms	045-048	--	--	--	--	--	--	--
Encephalitis, acute infectious	082	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	--	--	--	--	--	--	--
Meningococcal infections	057	1	1	--	--	--	--	--
Poliomyelitis, acute	080	2	1	1	--	--	--	--
Syphilis	020-029	2	--	--	--	--	1	1
Tetanus	061	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	10	--	--	1	--	7	2
Tuberculosis, respiratory	001-008	9	--	--	--	--	7	2
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		4	--	2	--	--	2	--
Neoplasms	140-239	239	1	2	2	13	96	125
Malignant	140-205	233	1	2	2	13	92	123
Buccal cavity and pharynx	140-148	4	--	--	--	--	--	4
Digestive system	150-159	88	--	--	--	2	31	55
Respiratory system	160-164	32	--	--	--	--	17	15
Breast	170	16	--	--	--	1	10	5
Genital organs	171-179	48	--	--	1	2	21	24
All other sites	180-199	28	--	1	--	7	8	12
Leukemia and aleukemia	204	11	1	1	1	1	3	4
Lymphosarcoma	200-203,205	6	--	--	--	--	2	4
Benign and unspecified	210-239	6	--	--	--	--	4	2
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	788	--	2	1	24	192	569
Cardiovascular disease	330-334,400-468	772	--	2	1	21	185	563
Vascular lesions, CNS	330-334	174	--	--	1	5	41	127
Rheumatic fever	400-402	--	--	--	--	--	--	--
Diseases of the heart	410-443	541	--	2	--	16	139	384
Chronic rheumatic heart	410-416	17	--	--	--	1	7	9
Arteriosclerotic heart	420	391	--	--	--	12	117	262
Nonrheumatic degenerative	421-422	72	--	--	--	--	4	68
Other heart	430-434	15	--	2	--	--	3	10
Hypertension with heart disease	440-443	46	XXX	--	--	3	8	35
Hypertension without heart disease	444-447	12	XXX	--	--	--	3	9
General arteriosclerosis	450	43	XXX	XXX	--	--	1	42
Other circulatory diseases	451-468	2	--	--	--	--	1	1
Nephritis, acute and chronic	590-594	16	--	--	--	3	7	6
Other Selected Causes (As listed)		181	83	2	3	7	41	45
Appendicitis	550-553	1	1	--	--	--	--	--
Certain diseases peculiar to early infancy	760-776	58	58	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	11	--	--	--	--	8	3
Congenital malformations	750-759	12	8	1	--	1	2	--
Diabetes mellitus	280	17	--	--	--	--	9	8
Gastritis, enteritis, and colitis	543,571,572	5	4	1	--	--	--	--
Hernia, intestinal obstruction	560,561,570	5	--	--	--	--	--	5
Hyperplasia of prostate	610	4	XXX	XXX	--	--	--	4
Influenza	480-483	9	2	--	1	--	2	4
Maternal causes	640-689	4	XXX	--	2	2	--	XXX
Pneumonia	490-493	39	10	--	--	1	12	16
Ulcer of stomach and duodenum	540-541	15	--	--	--	3	7	5
Senility and ill defined causes	780-795	1	--	--	--	--	1	--
All Other Diseases	Residual of 240-795	56	8	--	3	5	18	22
External Causes of Death	E800-E999	112	2	4	15	36	21	34
All accidents	E800-E962	95	2	4	15	31	14	29
Motor vehicle	E810-E835,E960	40	2	1	10	14	6	7
Other	E800-E802,E840-E959,E961-E962	55	--	3	5	17	8	22
Suicide	E963,E970-E979	13	XXX	--	--	4	6	3
Homicide	E964,E980-E985	4	--	--	--	1	1	2

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organisation.

Table C. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF THE ROCKFORD AREA, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	AGE AT DEATH					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
ALL CAUSES		1,520	144	20	26	94	375	861
Infective and Parasitic Diseases	001-138	20	1	1	--	4	3	11
Dysentery, all forms	045-048	--	--	--	--	--	--	--
Encephalitis, acute infectious	082	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	--	--	--	--	--	--	--
Meningococcal infections	057	2	1	1	--	--	--	--
Poliomyelitis, acute	080	2	--	--	--	2	--	--
Syphilis	020-029	1	--	--	--	--	--	1
Tetanus	061	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	14	--	--	--	2	3	9
Tuberculosis, respiratory	001-008	13	--	--	--	2	3	8
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		1	--	--	--	--	--	1
Neoplasms	140-239	249	2	1	--	19	95	132
Malignant	140-205	243	2	1	--	18	94	128
Buccal cavity and pharynx	140-148	10	--	--	--	--	4	6
Digestive system	150-159	86	--	--	--	3	33	50
Respiratory system	160-164	26	--	--	--	1	15	10
Breast	170	22	--	--	--	4	11	7
Genital organs	171-179	37	--	--	--	5	10	22
All other sites	180-189	44	--	1	--	3	14	26
Leukemia and aleukemia	204	10	2	--	--	--	4	4
Lymphosarcoma	200-203,205	8	--	--	--	2	3	3
Benign and unspecified	210-239	6	--	--	--	1	1	4
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	783	--	2	2	31	194	554
Cardiovascular disease	330-334,400-468	765	--	1	2	28	187	547
Vascular lesions, CNS	330-334	192	--	--	1	6	45	140
Rheumatic fever	400-402	2	--	--	--	1	1	--
Diseases of the heart	410-443	517	--	1	1	17	135	363
Chronic rheumatic heart	410-416	29	--	1	1	3	16	8
Arteriosclerotic heart	420	349	--	--	--	12	95	242
Nonrheumatic degenerative	421-422	58	--	--	--	1	5	52
Other heart	430-434	14	--	--	--	1	5	8
Hypertension with heart disease	440-443	67	XXX	--	--	--	14	53
Hypertension without heart disease	444-447	21	XXX	--	--	3	3	15
General arteriosclerosis	450	26	XXX	XXX	--	--	1	25
Other circulatory diseases	451-468	7	--	--	--	1	2	4
Nephritis, acute and chronic	590-594	18	--	1	--	3	7	7
Other Selected Causes (As listed)		258	118	3	2	10	37	88
Appendicitis	550-553	2	--	--	--	--	--	2
Certain diseases peculiar to early infancy	760-776	76	76	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	21	--	1	--	2	10	8
Congenital malformations	750-759	25	22	--	--	1	1	1
Diabetes mellitus	280	28	--	--	--	2	8	18
Gastritis, enteritis, and colitis	543,571,572	9	7	--	--	--	--	2
Hernia, intestinal obstruction	560,561,570	10	1	--	--	1	2	6
Hyperplasia of prostate	610	8	XXX	XXX	--	--	--	8
Influenza	480-483	2	--	--	--	--	--	2
Maternal causes	640-639	1	XXX	--	--	1	--	XXX
Pneumonia	490-493	52	10	2	2	--	8	30
Ulcer of stomach and duodenum	540-541	20	--	--	--	2	8	10
Senility and ill defined causes	780-795	4	2	--	--	1	--	1
All Other Diseases	Residual of 240-795	80	8	3	5	7	16	41
External Causes of Death	E800-E999	130	15	10	17	23	30	35
All accidents	E800-E962	115	15	9	17	18	25	31
Motor vehicle	E810-E835,E960	60	5	2	12	15	16	10
Other	E800-E802,E840-E959,E961-E962	55	10	7	5	3	9	21
Suicide	E963,E970-E979	14	XXX	--	--	5	5	4
Homicide	E984,E980-E985	1	--	1	--	--	--	--

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.



Table D. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF THE CHICAGO AREA, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	AGE AT DEATH					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
<b>ALL CAUSES</b>		56,994	3,730	416	717	4,543	18,666	28,922
<b>Infective and Parasitic Diseases</b>	001-136	1,273	91	38	47	323	541	233
Dysentery, all forms	045-046	10	1	2	--	1	3	3
Encephalitis, acute infectious	062	8	5	1	--	2	--	--
Gonococcal infection	030-035	3	--	--	--	2	1	--
Measles	065	5	4	1	--	--	--	--
Meningococcal infections	057	41	30	4	1	1	2	3
Pollomyelitis, acute	060	50	4	18	5	22	1	--
Syphilis	020-029	135	--	--	1	8	77	49
Tetanus	061	7	1	--	1	2	2	1
Tuberculosis, all forms	001-019	923	29	8	30	270	423	163
Tuberculosis, respiratory	001-006	828	6	3	26	246	391	156
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-136		91	17	4	9	15	32	14
<b>Neoplasms</b>	140-239	9,412	69	60	55	750	4,120	4,358
<b>Malignant</b>	140-205	9,260	62	57	55	707	4,054	4,325
Buccal cavity and pharynx	140-146	226	--	--	--	13	110	103
Digestive system	150-159	3,649	1	3	2	138	1,454	2,051
Respiratory system	160-164	1,279	--	--	1	60	709	509
Breast	170	878	--	--	--	129	433	316
Genital organs	171-179	1,371	--	--	6	127	588	650
All other sites	160-199	1,127	30	22	22	120	469	464
Leukemia and aleukemia	204	354	28	27	9	42	135	113
Lymphosarcoma	200-203,205	376	3	5	15	78	156	119
Benign and unspecified	210-239	152	7	3	--	43	66	33
<b>Major Cardiovascular-renal Diseases</b>	330-334,400-466,590-594	32,659	28	27	115	1,633	10,514	20,342
Cardiovascular disease	330-334,400-468	31,810	18	19	89	1,514	10,258	19,912
Vascular lesions, CNS	330-334	5,353	7	1	10	220	1,574	3,541
Rheumatic fever	400-402	39	2	6	5	19	7	--
Diseases of the heart	410-443	25,095	9	9	60	1,200	8,343	15,474
Chronic rheumatic heart	410-416	806	1	5	31	208	377	184
Arteriosclerotic heart	420	15,525	2	--	6	584	5,403	9,530
Nonrheumatic degenerative	421-422	4,587	2	2	15	229	1,098	3,241
Other heart	430-434	1,280	4	2	7	87	529	651
Hypertension with heart disease	440-443	2,897	XXX	--	1	92	936	1,868
Hypertension without heart disease	444-447	447	XXX	--	4	44	160	239
General arteriosclerosis	450	598	XXX	XXX	--	4	59	535
Other circulatory diseases	451-468	278	--	3	10	27	115	123
Nephritis, acute and chronic	590-594	849	10	8	26	119	256	430
<b>Other Selected Causes (As listed)</b>		7,853	3,143	67	80	546	1,666	2,351
Appendicitis	550-553	91	4	4	4	19	34	26
Certain diseases peculiar to early infancy	760-776	1,953	1,953	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	561	816	5	3	2	158	436	212
Congenital malformations	750-759	586	506	12	13	21	23	11
Diabetes mellitus	260	835	2	5	4	60	297	467
Gastritis, enteritis, and colitis	543,571,572	265	146	4	11	27	31	46
Hernia, intestinal obstruction	560,561,570	335	38	3	1	21	106	166
Hyperplasia of prostate	610	207	XXX	XXX	--	--	41	166
Influenza	460-463	74	6	2	--	4	17	45
Maternal causes	640-669	57	XXX	--	11	46	--	XXX
Pneumonia	490-493	2,036	474	32	26	158	474	872
Ulcer of stomach and duodenum	540-541	387	5	1	4	28	191	158
Senility and ill defined causes	760-795	211	4	1	4	4	16	182
<b>All Other Diseases</b>	Residual of 240-795	2,101	216	53	51	271	763	747
<b>External Causes of Death</b>	E600-E999	3,696	183	171	369	1,020	1,062	891
<b>All accidents</b>	E800-E962	2,851	174	166	297	683	768	763
Motor vehicle	E610-E635,E960	1,175	34	62	199	337	320	223
Other	E600-E602,E640-E959,E961-E962	1,676	140	104	98	346	448	540
Suicide	E963,E970-E979	505	XXX	--	20	146	225	114
Homicide	E964,E960-E965	339	9	5	51	191	69	14

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organisation.

Table E. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF THE PEORIA AREA, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	AGE AT DEATH					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
ALL CAUSES		2,368	201	29	35	152	602	1,349
Infective and Parasitic Diseases	001-138	44	6	2	--	5	19	12
Dysentery, all forms	045-048	--	--	--	--	--	--	--
Encephalitis, acute infectious	082	1	1	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	--	--	--	--	--	--	--
Meningococcal infections	057	2	1	1	--	--	--	--
Polio myelitis, acute	080	3	2	--	--	1	--	--
Syphilis	020-029	11	--	--	--	1	6	4
Tetanus	061	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	20	--	--	--	2	12	6
Tuberculosis, respiratory	001-008	20	--	--	--	2	12	6
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		7	2	1	--	1	1	2
Neoplasms	140-239	398	4	6	2	33	152	201
Malignant	140-205	393	3	6	1	33	150	200
Buccal cavity and pharynx	140-148	13	--	--	--	--	6	7
Digestive system	150-159	131	1	--	--	12	37	81
Respiratory system	160-164	58	--	--	--	3	35	20
Breast	170	43	--	--	--	2	13	28
Genital organs	171-179	54	--	--	--	5	22	27
All other sites	180-199	60	1	2	--	9	25	23
Leukemia and aleukemia	204	19	1	4	--	1	4	9
Lymphosarcoma	200-203,205	15	--	--	1	1	8	5
Benign and unspecified	210-239	5	1	--	1	--	2	1
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	1,271	--	3	2	36	292	938
Cardiovascular disease	330-334,400-468	1,237	--	--	1	34	283	919
Vascular lesions, CNS	330-334	241	--	--	--	3	48	190
Rheumatic fever	400-402	--	--	--	--	--	--	--
Diseases of the heart	410-443	894	--	--	--	29	227	638
Chronic rheumatic heart	410-416	47	--	--	--	12	17	18
Arteriosclerotic heart	420	605	--	--	--	11	155	439
Nonrheumatic degenerative	421-422	120	--	--	--	3	23	94
Other heart	430-434	21	--	--	--	1	6	14
Hypertension with heart disease	440-443	101	XXX	--	--	2	26	73
Hypertension without heart disease	444-447	22	XXX	--	--	1	2	19
General arteriosclerosis	450	64	XXX	XXX	--	--	2	62
Other circulatory diseases	451-468	16	--	--	1	1	4	10
Nephritis, acute and chronic	580-594	34	--	3	1	2	9	19
Other Selected Causes (As listed)		361	163	1	2	20	65	110
Appendicitis	550-553	3	--	--	--	--	2	1
Certain diseases peculiar to early infancy	760-776	113	113	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	21	--	--	--	1	13	7
Congenital malformations	750-759	31	26	--	--	1	2	2
Diabetes mellitus	260	39	--	--	1	--	11	27
Gastritis, enteritis, and colitis	543,571,572	6	2	--	--	2	--	2
Hernia, intestinal obstruction	580,581,570	17	--	--	--	1	8	8
Hyperplasia of prostate	610	13	XXX	XXX	--	--	1	12
Influenza	480-483	4	--	--	--	1	1	2
Maternal causes	840-889	2	XXX	--	--	2	--	XXX
Pneumonia	490-493	90	21	1	1	8	17	42
Ulcer of stomach and duodenum	540-541	19	--	--	--	4	10	5
Senility and ill defined causes	780-795	3	1	--	--	--	--	2
All Other Diseases	Residual of 240-795	113	21	7	2	13	26	44
External Causes of Death	E800-E999	181	7	10	27	45	48	44
All accidents	E800-E962	139	7	10	25	34	25	38
Motor vehicle	E810-E835,E980	67	3	6	18	21	12	7
Other	E800-E802,E840-E959,E981-E982	72	4	4	7	13	13	31
Suicide	E983,E970-E979	31	XXX	--	--	6	19	6
Homicide	E964,E980-E985	11	--	--	2	5	4	--

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.



Table F. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF THE SPRINGFIELD AREA, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	A G E A T D E A T H					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
<b>ALL CAUSES</b>		1,533	98	6	19	82	403	925
<b>Infective and Parasitic Diseases</b>	001-138	21	3	--	3	--	8	7
Dysentery, all forms	045-048	1	--	--	--	--	1	--
Encephalitis, acute infectious	082	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	4	3	--	1	--	--	--
Meningococcal infections	057	1	--	--	1	--	--	--
Poliomyelitis, acute	080	1	--	--	1	--	--	--
Syphilis	020-029	6	--	--	--	--	3	3
Tetanus	061	1	--	--	--	--	1	--
Tuberculosis, all forms	001-019	6	--	--	--	--	3	3
Tuberculosis, respiratory	001-008	6	--	--	--	--	3	3
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases		--	--	--	--	--	--	--
Residual of 001-138		1	--	--	--	--	--	1
<b>Neoplasms</b>	140-239	261	1	--	1	24	98	137
<b>Malignant</b>	140-205	258	1	--	1	24	96	136
Buccal cavity and pharynx	140-148	6	--	--	--	1	1	4
Digestive system	150-159	87	--	--	--	3	28	56
Respiratory system	160-164	31	--	--	--	2	15	14
Breast	170	20	--	--	--	4	10	6
Genital organs	171-179	49	--	--	--	5	23	21
All other sites	180-199	44	1	--	--	3	12	28
Leukemia and aleukemia	204	13	--	--	1	3	3	6
Lymphosarcoma	200-203,205	8	--	--	--	3	4	1
Benign and unspecified	210-239	3	--	--	--	--	2	1
<b>Major Cardiovascular-renal Diseases</b>	330-334,400-468,590-594	869	2	--	1	23	218	625
Cardiovascular disease	330-334,400-468	865	1	--	--	22	217	625
Vascular lesions, CNS	330-334	155	--	--	--	1	32	122
Rheumatic fever	400-402	--	--	--	--	--	--	--
Diseases of the heart	410-443	665	--	--	--	18	178	469
Chronic rheumatic heart	410-416	18	--	--	--	6	8	4
Arteriosclerotic heart	420	497	--	--	--	8	138	351
Nonrheumatic degenerative	421-422	63	--	--	--	1	5	57
Other heart	430-434	13	--	--	--	1	6	6
Hypertension with heart disease	440-443	74	XXX	--	--	2	21	51
Hypertension without heart disease	444-447	12	XXX	--	--	1	4	7
General arteriosclerosis	450	23	XXX	XXX	--	--	1	22
Other circulatory diseases	451-468	10	1	--	--	2	2	5
Nephritis, acute and chronic	590-594	4	1	--	1	1	1	--
<b>Other Selected Causes (As listed)</b>		204	79	1	1	3	34	86
Appendicitis	550-553	2	1	--	--	--	--	1
Certain diseases peculiar to early infancy	760-776	47	47	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	17	1	--	--	1	9	6
Congenital malformations	750-759	19	17	--	--	--	1	1
Diabetes mellitus	260	22	--	--	--	--	7	15
Gastritis, enteritis, and colitis	543,571,572	10	3	1	--	--	2	4
Hernia, intestinal obstruction	560,581,570	14	3	--	--	2	2	7
Hyperplasia of prostate	610	14	XXX	XXX	--	--	--	14
Influenza	480-483	3	2	--	--	--	--	1
Maternal causes	640-689	--	XXX	--	--	--	--	XXX
Pneumonia	490-493	29	5	--	1	--	5	18
Ulcer of stomach and duodenum	540-541	3	--	--	--	--	1	2
Senility and ill defined causes	780-795	24	--	--	--	--	7	17
<b>All Other Diseases</b>	Residual of 240-795	72	5	2	--	12	22	31
<b>External Causes of Death</b>	E800-E999	106	8	3	13	20	23	39
<b>All accidents</b>	E800-E962	86	8	3	12	17	12	34
Motor vehicle	E810-E835,E960	33	4	2	9	9	3	6
Other	E800-E802,E840-E959,E961-E962	53	4	1	3	8	9	28
Suicide	E963,E970-E979	17	XXX	XXX	1	1	10	5
Homicide	E964,E980-E985	3	--	--	--	2	1	--

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.

Table G. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF THE EAST ST. LOUIS AREA, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	AGE AT DEATH					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
ALL CAUSES		4,083	366	43	67	319	1,135	2,153
Infective and Parasitic Diseases	001-138	87	10	5	3	13	41	15
Dysentery, all forms	045-048	1	1	--	--	--	--	--
Encephalitis, acute infectious	082	3	2	--	--	--	1	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	2	1	1	--	--	--	--
Meningococcal infections	057	4	3	1	--	--	--	--
Polioomyelitis, acute	080	3	--	3	--	--	--	--
Syphilis	020-029	6	--	--	--	--	4	2
Tetanus	061	1	--	--	--	--	1	--
Tuberculosis, all forms	001-019	59	--	--	2	13	33	11
Tuberculosis, respiratory	001-008	55	--	--	2	11	31	11
Typhoid fever	040	1	--	--	--	--	--	1
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		7	3	--	1	--	2	1
Neoplasms	140-239	609	1	3	6	54	232	313
Malignant	140-205	593	1	3	2	53	224	310
Buccal cavity and pharynx	140-148	20	--	--	--	2	9	9
Digestive system	150-159	204	--	--	--	16	71	117
Respiratory system	160-164	73	--	--	--	3	33	37
Breast	170	52	--	--	--	7	27	18
Genital organs	171-179	108	--	--	--	13	35	60
All other sites	180-199	97	1	2	--	9	36	49
Leukemia and aleukemia	204	17	--	1	1	1	5	9
Lymphosarcoma	200-203,205	22	--	--	1	2	8	11
Benign and unspecified	210-239	16	--	--	4	1	8	3
Major Cardiovascular-renal Diseases	330-334,400-466,590-594	2,245	3	6	9	103	610	1,514
Cardiovascular disease	330-334,400-466	2,154	2	5	8	93	578	1,468
Vascular lesions, CNS	330-334	463	--	1	2	16	125	319
Rheumatic fever	400-402	2	--	1	--	1	--	--
Diseases of the heart	410-443	1,565	2	3	4	68	441	1,047
Chronic rheumatic heart	410-416	37	--	1	2	10	19	5
Arteriosclerotic heart	420	876	--	--	1	38	286	551
Nonrheumatic degenerative	421-422	378	--	--	--	7	56	315
Other heart	430-434	52	2	2	1	8	18	21
Hypertension with heart disease	440-443	222	XXX	--	--	5	62	155
Hypertension without heart disease	444-447	23	XXX	--	--	3	2	18
General arteriosclerosis	450	76	XXX	XXX	--	--	2	74
Other circulatory diseases	451-466	25	--	--	2	5	8	10
Nephritis, acute and chronic	590-594	91	1	1	1	10	32	46
Other Selected Causes (As listed)		639	306	13	6	39	117	158
Appendicitis	550-553	11	--	3	1	2	3	2
Certain diseases peculiar to early infancy	760-776	180	180	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	47	--	--	--	7	22	18
Congenital malformations	750-759	67	60	3	--	2	1	1
Diabetes mellitus	260	75	--	1	1	5	28	40
Gastritis, enteritis, and colitis	543,571,572	16	10	--	1	--	3	2
Hernia, intestinal obstruction	560,561,570	29	3	1	--	3	11	11
Hyperplasia of prostate	610	18	XXX	XXX	--	--	2	16
Influenza	480-483	13	--	--	--	1	2	10
Maternal causes	640-689	7	XXX	--	2	5	--	XXX
Pneumonia	490-493	134	48	5	1	11	27	42
Ulcer of stomach and duodenum	540-541	23	1	--	--	2	12	8
Senility and ill defined causes	780-795	19	4	--	--	1	6	8
All Other Diseases	Residual of 240-795	171	21	4	6	22	56	62
External Causes of Death	E800-E999	332	25	12	37	88	79	91
All accidents	E800-E962	284	25	12	32	69	62	84
Motor vehicle	E810-E835,E960	130	7	6	23	41	31	22
Other	E800-E802,E840-E959,E961-E962	154	18	6	9	28	31	62
Suicide	E963,E970-E979	28	XXX	--	1	9	12	6
Homicide	E964,E960-E985	20	--	--	4	10	5	1

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1949), World Health Organization.



Table H. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 1, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	A G E A T D E A T H					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
ALL CAUSES		2,630	168	35	35	127	560	1,705
Infective and Parasitic Diseases	001-136	37	5	2	4	11	11	4
Dysentery, all forms	045-046	2	1	--	--	--	1	--
Encephalitis, acute infectious	062	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	--	--	--	--	--	--	--
Meningococcal infections	057	2	2	--	--	--	--	--
Poliomyelitis, acute	060	8	--	2	1	5	--	--
Syphilis	020-029	5	--	--	--	--	4	1
Tetanus	061	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	11	--	--	1	4	3	3
Tuberculosis, respiratory	001-006	10	--	--	1	3	3	3
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	2	2	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-136		7	--	--	2	2	3	--
Neoplasms	140-239	366	2	3	2	24	124	211
Malignant	140-205	363	2	3	2	23	122	211
Buccal cavity and pharynx	140-148	6	--	--	--	--	3	3
Digestive system	150-159	149	--	--	--	5	39	105
Respiratory system	160-164	22	--	--	--	2	9	11
Breast	170	42	--	--	--	3	23	16
Genital organs	171-179	66	--	1	--	3	19	43
All other sites	160-199	49	--	1	1	7	18	22
Leukemia and aleukemia	204	17	2	1	1	3	5	5
Lymphosarcoma	200-203,205	12	--	--	--	--	6	6
Benign and unspecified	210-239	3	--	--	--	1	2	--
Major Cardiovascular-renal Diseases	330-334,400-466,590-594	1,555	2	3	2	32	301	1,215
Cardiovascular disease	330-334,400-466	1,497	2	1	--	26	292	1,176
Vascular lesions, CNS	330-334	308	1	--	--	5	64	238
Rheumatic fever	400-402	1	--	--	--	--	--	1
Diseases of the heart	410-443	1,092	--	1	--	16	220	855
Chronic rheumatic heart	410-416	27	--	--	--	2	11	14
Arteriosclerotic heart	420	686	--	--	--	13	155	518
Nonrheumatic degenerative	421-422	220	--	--	--	1	18	201
Other heart	430-434	27	--	1	--	--	8	18
Hypertension with heart disease	440-443	132	XXX	--	--	--	28	104
Hypertension without heart disease	444-447	35	XXX	--	--	2	7	26
General arteriosclerosis	450	52	XXX	XXX	--	--	1	51
Other circulatory diseases	451-468	9	1	--	--	3	--	5
Nephritis, acute and chronic	590-594	58	--	2	2	6	9	39
Other Selected Causes (As listed)		345	136	5	3	15	47	139
Appendicitis	550-553	3	--	--	1	--	1	1
Certain diseases peculiar to early infancy	760-776	84	84	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	17	--	--	--	3	9	5
Congenital malformations	750-759	36	28	2	1	3	--	2
Diabetes mellitus	260	49	--	1	--	1	15	32
Gastritis, enteritis, and colitis	543,571,572	12	8	--	--	1	1	2
Hernia, intestinal obstruction	560,561,570	18	1	1	--	3	1	12
Hyperplasia of prostate	610	20	XXX	XXX	--	--	1	19
Influenza	460-463	15	2	--	--	1	3	9
Maternal causes	640-669	2	XXX	--	--	2	--	XXX
Pneumonia	490-493	68	13	1	1	1	10	42
Ulcer of stomach and duodenum	540-541	15	--	--	--	--	5	10
Senility and ill defined causes	760-795	6	--	--	--	--	1	5
All Other Diseases	Residual of 240-795	127	9	6	1	8	27	76
External Causes of Death	E600-E999	200	14	16	23	37	50	60
All accidents	E600-E962	166	14	16	23	31	31	51
Motor vehicle	E810-E635,E960	62	5	7	11	17	13	9
Other	E600-E802,E640-E959,E961-E962	104	9	9	12	14	18	42
Suicide	E963,E970-E979	33	XXX	--	--	6	18	9
Homicide	E964,E960-E965	1	--	--	--	--	1	--

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.

Table I. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 2, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	AGE AT DEATH					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	85 Yrs. and over
<b>ALL CAUSES</b>		786	52	14	12	45	151	512
<b>Infective and Parasitic Diseases</b>	001-138	9	--	1	--	1	4	3
Dysentery, all forms	045-048	--	--	--	--	--	--	--
Encephalitis, acute infectious	082	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	--	--	--	--	--	--	--
Meningococcal infections	057	--	--	--	--	--	--	--
Poliomyelitis, acute	080	1	--	1	--	--	--	--
Syphilis	020-029	--	--	--	--	--	--	--
Tetanus	081	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	6	--	--	--	--	4	2
Tuberculosis, respiratory	001-008	5	--	--	--	--	3	2
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	058	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		2	--	--	--	1	--	1
<b>Neoplasms</b>	140-239	125	1	1	2	8	31	82
<b>Malignant</b>	140-205	124	1	1	2	8	30	82
Buccal cavity and pharynx	140-148	4	--	--	--	1	1	2
Digestive system	150-159	57	--	--	--	1	11	45
Respiratory system	180-184	8	--	--	--	--	5	3
Breast	170	14	--	--	--	--	4	10
Genital organs	171-179	16	--	--	1	1	4	10
All other sites	180-199	15	1	1	--	5	3	5
Leukemia and aleukemia	204	7	--	--	1	--	--	6
Lymphosarcoma	200-203,205	3	--	--	--	--	2	1
Benign and unspecified	210-239	1	--	--	--	--	1	--
<b>Major Cardiovascular-renal Diseases</b>	330-334,400-468,590-594	447	--	1	--	9	86	351
Cardiovascular disease	330-334,400-468	441	--	1	--	7	85	348
Vascular lesions, CNS	330-334	78	--	--	--	2	12	64
Rheumatic fever	400-402	--	--	--	--	--	--	--
Diseases of the heart	410-443	333	--	--	--	4	73	256
Chronic rheumatic heart	410-416	9	--	--	--	--	5	4
Arteriosclerotic heart	420	205	--	--	--	3	56	146
Nonrheumatic degenerative	421-422	49	--	--	--	1	--	48
Other heart	430-434	10	--	--	--	--	5	5
Hypertension with heart disease	440-443	60	XXX	--	--	--	7	53
Hypertension without heart disease	444-447	7	XXX	--	--	1	--	6
General arteriosclerosis	450	21	XXX	XXX	--	--	--	21
Other circulatory diseases	451-468	2	--	1	--	--	--	1
Nephritis, acute and chronic	590-594	6	--	--	--	2	1	3
<b>Other Selected Causes</b>	(As listed)	103	37	2	--	5	9	50
Appendicitis	550-553	3	--	1	--	--	--	2
Certain diseases peculiar to early infancy	760-776	22	22	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	3	--	--	--	--	2	1
Congenital malformations	750-759	8	8	--	--	--	--	--
Diabetes mellitus	260	9	--	--	--	--	2	7
Gastritis, enteritis, and colitis	543,571,572	2	--	--	--	--	1	1
Hernia, intestinal obstruction	580,581,570	5	1	--	--	--	--	4
Hyperplasia of prostate	810	4	XXX	XXX	--	--	--	4
Influenza	480-483	5	--	--	--	1	--	4
Maternal causes	840-889	1	XXX	--	--	1	--	XXX
Pneumonia	490-493	32	6	1	--	--	1	24
Ulcer of stomach and duodenum	540-541	4	--	--	--	--	3	1
Senility and ill defined causes	780-795	5	--	--	--	3	--	2
<b>All Other Diseases</b>	Residual of 240-795	30	6	2	1	2	8	11
<b>External Causes of Death</b>	E800-E999	72	8	7	9	20	13	15
<b>All accidents</b>	E800-E982	56	8	7	8	15	8	10
Motor vehicle	E810-E835,E980	34	2	4	8	12	4	4
Other	E800-E802,E840-E959,E981-E982	22	6	3	--	3	4	6
Suicide	E963,E970-E979	16	XXX	--	1	5	5	5
Homicide	E984,E980-E985	--	--	--	--	--	--	--

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.



Table J. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 3, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	A G E A T D E A T H					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-84 Years	65 Yrs. and over
ALL CAUSES		3,593	175	22	37	163	753	2,443
Infective and Parasitic Diseases	001-138	56	6	4	2	10	16	18
Dysentery, all forms	045-048	4	1	1	--	--	--	2
Encephalitis, acute infectious	082	1	--	--	--	--	--	1
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	--	--	--	--	--	--	--
Meningococcal infections	057	1	--	--	--	1	--	--
Poliomyelitis, acute	080	6	--	1	2	3	--	--
Syphilis	020-029	8	--	--	--	--	4	4
Tetanus	061	1	1	--	--	--	--	--
Tuberculosis, all forms	001-019	23	2	--	--	4	10	7
Tuberculosis, respiratory	001-008	19	--	--	--	4	9	6
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		12	2	2	--	2	2	4
Neoplasms	140-239	543	7	--	5	40	170	321
Malignant	140-205	537	5	--	5	38	168	321
Buccal cavity and pharynx	140-148	13	--	--	--	--	1	12
Digestive system	150-159	213	--	--	1	8	63	141
Respiratory system	180-184	44	--	--	--	3	17	24
Breast	170	50	--	--	--	9	17	24
Genital organs	171-179	102	--	--	--	6	33	63
All other sites	180-199	67	2	--	--	8	19	38
Leukemia and aleukemia	204	26	3	--	3	1	8	11
Lymphosarcoma	200-203,205	22	--	--	1	3	10	8
Benign and unspecified	210-239	6	2	--	--	2	2	--
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	2,182	1	1	3	46	403	1,728
Cardiovascular disease	330-334,400-468	2,105	1	1	--	36	384	1,683
Vascular lesions, CNS	330-334	494	1	1	--	10	80	402
Rheumatic fever	400-402	1	--	--	--	1	--	--
Diseases of the heart	410-443	1,459	--	--	--	21	291	1,147
Chronic rheumatic heart	410-416	47	--	--	--	6	13	28
Arteriosclerotic heart	420	936	--	--	--	12	216	708
Nonrheumatic degenerative	421-422	265	--	--	--	1	17	247
Other heart	430-434	62	--	--	--	1	13	48
Hypertension with heart disease	440-443	149	XXX	--	--	1	32	116
Hypertension without heart disease	444-447	44	XXX	--	--	3	11	30
General arteriosclerosis	450	94	XXX	XXX	--	--	1	93
Other circulatory diseases	451-468	13	--	--	--	1	1	11
Nephritis, acute and chronic	590-594	77	--	--	3	10	19	45
Other Selected Causes (As listed)		399	136	5	3	11	55	189
Appendicitis	550-553	4	--	1	--	--	3	--
Certain diseases peculiar to early infancy	760-776	85	85	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	19	--	--	--	2	3	14
Congenital malformations	750-759	36	28	2	3	1	2	--
Diabetes mellitus	260	54	--	--	--	--	16	38
Gastritis, enteritis, and colitis	543,571,572	15	7	--	--	--	4	4
Hernia, intestinal obstruction	580,581,570	29	4	--	--	--	5	20
Hyperplasia of prostate	610	23	XXX	XXX	--	--	1	22
Influenza	480-483	24	1	--	--	1	2	19
Maternal causes	840-889	3	XXX	--	--	3	--	XXX
Pneumonia	490-493	88	11	1	--	2	14	60
Ulcer of stomach and duodenum	540-541	13	--	--	--	2	5	6
Senility and ill defined causes	780-795	6	--	--	--	--	--	6
All Other Diseases	Residual of 240-795	169	10	2	4	10	44	99
External Causes of Death	E800-E999	244	15	10	20	46	65	88
All accidents	E800-E982	193	15	10	18	36	39	75
Motor vehicle	E810-E835,E960	74	5	4	9	23	21	12
Other	E800-E802,E840-E959,E981-E982	119	10	6	9	13	18	63
Suicide	E983,E970-E979	46	XXX	XXX	1	8	25	12
Homicide	E964,E980-E985	5	--	--	1	2	1	1

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.

Table K. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 4, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	AGE AT DEATH					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
ALL CAUSES		3,368	148	29	41	138	657	2,355
Infective and Parasitic Diseases	001-138	44	7	2	--	7	20	8
Dysentery, all forms	045-048	2	--	--	--	1	1	--
Encephalitis, acute infectious	082	1	--	--	--	1	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	--	--	--	--	--	--	--
Meningococcal infections	057	1	1	--	--	--	--	--
Poliomyelitis, acute	080	3	3	--	--	--	--	--
Syphilis	020-029	6	--	--	--	--	5	1
Tetanus	061	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	19	--	--	--	3	12	4
Tuberculosis, respiratory	001-008	19	--	--	--	3	12	4
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	058	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		12	3	2	--	2	2	3
Neoplasms	140-239	491	1	2	6	26	146	310
Malignant	140-205	482	1	2	6	25	145	303
Buccal cavity and pharynx	140-148	10	--	--	--	1	1	8
Digestive system	150-159	187	--	--	--	8	47	132
Respiratory system	160-184	60	--	--	--	--	25	35
Breast	170	37	--	--	--	3	11	23
Genital organs	171-179	76	--	--	--	6	28	42
All other sites	180-199	68	--	--	4	3	18	43
Leukemia and aleukemia	204	27	1	1	--	1	12	12
Lymphosarcoma	200-203,205	17	--	1	2	3	3	8
Benign and unspecified	210-239	9	--	--	--	1	1	7
Major Cardiovascular-renal Diseases	330-334,400-488,590-594	2,044	1	1	2	44	345	1,651
Cardiovascular disease	330-334,400-468	1,995	--	1	2	40	328	1,623
Vascular lesions, CNS	330-334	476	--	1	--	14	55	406
Rheumatic fever	400-402	1	--	--	1	--	--	--
Diseases of the heart	410-443	1,366	--	--	1	24	262	1,079
Chronic rheumatic heart	410-416	33	--	--	--	4	12	17
Arteriosclerotic heart	420	859	--	--	--	14	189	656
Nonrheumatic degenerative	421-422	266	--	--	--	3	20	243
Other heart	430-434	48	--	--	1	1	15	31
Hypertension with heart disease	440-443	160	XXX	--	--	2	26	132
Hypertension without heart disease	444-447	30	XXX	--	--	1	3	26
General arteriosclerosis	450	106	XXX	XXX	--	--	4	102
Other circulatory diseases	451-466	16	--	--	--	1	5	10
Nephritis, acute and chronic	590-594	49	1	--	--	4	16	28
Other Selected Causes (As listed)		405	126	6	9	10	62	192
Appendicitis	550-553	7	--	1	--	1	2	3
Certain diseases peculiar to early infancy	780-778	86	86	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	27	--	--	--	2	15	10
Congenital malformations	750-759	35	28	3	1	--	2	1
Diabetes mellitus	260	69	--	--	1	3	16	49
Gastritis, enteritis, and colitis	543,571,572	9	3	--	--	--	2	4
Hernia, intestinal obstruction	580,581,570	20	2	--	--	2	5	11
Hyperplasia of prostate	810	16	XXX	XXX	--	--	--	16
Influenza	480-483	25	--	1	--	--	2	22
Maternal causes	640-889	3	XXX	--	2	1	--	XXX
Pneumonia	490-493	79	6	1	4	1	12	55
Ulcer of stomach and duodenum	540-541	16	--	--	1	--	5	10
Senility and ill defined causes	780-795	13	1	--	--	--	1	11
All Other Diseases	Residual of 240-795	144	5	3	3	6	34	93
External Causes of Death	E800-E999	240	8	15	21	45	50	101
All accidents	E800-E982	194	8	14	21	33	35	83
Motor vehicle	E810-E835,E980	68	1	4	17	16	17	13
Other	E800-E802,E840-E959,E961-E982	126	7	10	4	17	18	70
Suicide	E963,E970-E979	40	XXX	XXX	--	11	12	17
Homicide	E984,E980-E985	6	--	1	--	1	3	1

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.



Table L. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 5, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	A G E A T D E A T H					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-84 Years	85 Yrs. and over
ALL CAUSES		2,176	137	22	29	115	531	1,342
Infective and Parasitic Diseases	001-138	29	4	1	--	4	10	10
Dysentery, all forms	045-048	--	--	--	--	--	--	--
Encephalitis, acute infectious	082	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	2	2	--	--	--	--	--
Meningococcal infections	057	--	--	--	--	--	--	--
Polio myelitis, acute	080	2	--	--	--	2	--	--
Syphilis	020-029	6	--	--	--	--	4	2
Tetanus	081	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	15	1	1	--	1	5	7
Tuberculosis, respiratory	001-008	12	--	--	--	1	5	6
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		4	1	--	--	1	1	1
Neoplasms	140-239	353	3	3	--	21	135	191
Malignant	140-205	346	3	2	--	19	131	191
Buccal cavity and pharynx	140-148	9	1	--	--	--	1	7
Digestive system	150-159	139	--	--	--	5	36	98
Respiratory system	160-184	43	--	--	--	--	26	17
Breast	170	33	--	--	--	6	17	10
Genital organs	171-179	41	--	--	--	2	19	20
All other sites	180-199	53	--	--	--	1	22	30
Leukemia and aleukemia	204	13	1	2	--	1	5	4
Lymphosarcoma	200-203,205	15	1	--	--	4	5	5
Benign and unspecified	210-239	7	--	1	--	2	4	--
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	1,233	1	2	--	29	276	925
Cardiovascular disease	330-334,400-468	1,192	1	1	--	25	266	899
Vascular lesions, CNS	330-334	242	1	--	--	6	42	193
Rheumatic fever	400-402	1	--	--	--	--	1	--
Diseases of the heart	410-443	874	--	--	--	17	213	644
Chronic rheumatic heart	410-418	13	--	--	--	1	7	5
Arteriosclerotic heart	420	594	--	--	--	11	155	428
Nonrheumatic degenerative	421-422	128	--	--	--	1	15	112
Other heart	430-434	24	--	--	--	2	6	16
Hypertension with heart disease	440-443	115	XXX	--	--	2	30	83
Hypertension without heart disease	444-447	14	XXX	--	--	1	2	11
General arteriosclerosis	450	49	XXX	XXX	--	--	2	47
Other circulatory diseases	451-468	12	--	1	--	1	6	4
Nephritis, acute and chronic	590-594	41	--	1	--	4	10	26
Other Selected Causes (As listed)		296	121	3	--	15	44	113
Appendicitis	550-553	1	--	--	--	--	1	--
Certain diseases peculiar to early infancy	760-776	74	74	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	15	--	--	--	1	6	8
Congenital malformations	750-759	27	24	1	--	2	--	--
Diabetes mellitus	280	40	--	--	--	--	12	28
Gastritis, enteritis, and colitis	543,571,572	11	4	--	--	1	1	5
Hernia, intestinal obstruction	580,581,570	13	--	--	--	1	3	9
Hyperplasia of prostate	610	12	--	--	--	--	1	11
Influenza	480-483	12	--	1	--	--	2	9
Maternal causes	640-889	2	XXX	--	--	2	--	XXX
Pneumonia	490-493	66	18	1	--	4	13	30
Ulcer of stomach and duodenum	540-541	19	1	--	--	3	5	10
Senility and ill defined causes	780-795	4	--	--	--	1	--	3
All Other Diseases	Residual of 240-795	93	1	1	3	12	26	50
External Causes of Death	E800-E999	172	7	12	26	34	40	53
All accidents	E800-E962	155	7	12	23	32	34	47
Motor vehicle	E810-E835,E960	85	2	2	17	30	19	15
Other	E800-E802,E840 E959,E961-E982	70	5	10	6	2	15	32
Suicide	E983,E970-E979	15	XXX	XXX	2	2	5	6
Homicide	E964,E980-E985	2	--	--	1	--	1	--

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.

Table M. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 6, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	A G E A T D E A T H					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	85 Yrs. and over
<b>ALL CAUSES</b>		7,928	483	77	129	401	1,721	5,117
<b>Infective and Parasitic Diseases</b>	001-138	135	16	10	5	22	37	45
Dysentery, all forms	045-048	2	--	--	--	--	--	2
Encephalitis, acute infectious	082	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	5	4	1	--	--	--	--
Meningococcal infections	057	7	4	1	--	2	--	--
Poliomyelitis, acute	080	19	3	5	5	6	--	--
Syphilis	020-029	24	--	--	--	2	10	12
Tetanus	081	2	--	1	--	--	--	1
Tuberculosis, all forms	001-019	54	1	1	--	10	19	23
Tuberculosis, respiratory	001-008	53	1	--	--	10	19	23
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	058	2	1	1	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		20	3	--	--	2	8	7
<b>Neoplasms</b>	140-239	1,193	7	10	10	75	379	712
<b>Malignant</b>	140-205	1,175	7	8	10	72	373	705
Buccal cavity and pharynx	140-148	28	--	--	--	2	7	19
Digestive system	150-159	448	--	--	--	13	119	316
Respiratory system	180-184	123	1	--	1	6	57	58
Breast	170	116	--	--	--	9	53	54
Genital organs	171-179	209	--	--	--	20	57	132
All other sites	180-199	154	2	4	3	9	55	81
Leukemia and aleukemia	204	57	4	3	3	8	17	22
Lymphosarcoma	200-203,205	40	--	1	3	5	8	23
Benign and unspecified	210-239	18	--	2	--	3	6	7
<b>Major Cardiovascular-renal Diseases</b>	330-334,400-488,590-594	4,697	4	5	11	113	968	3,596
Cardiovascular disease	330-334,400-468	4,556	3	5	6	103	941	3,498
Vascular lesions, CNS	330-334	965	2	1	--	22	157	783
Rheumatic fever	400-402	2	--	1	--	--	--	1
Diseases of the heart	410-443	3,286	1	2	4	77	747	2,455
Chronic rheumatic heart	410-416	81	--	1	2	7	44	27
Arteriosclerotic heart	420	2,113	1	1	--	48	529	1,534
Nonrheumatic degenerative	421-422	582	--	--	1	7	61	513
Other heart	430-434	95	--	--	--	6	19	70
Hypertension with heart disease	440-443	415	XXX	--	1	9	94	311
Hypertension without heart disease	444-447	82	XXX	--	--	1	19	62
General arteriosclerosis	450	182	XXX	XXX	--	--	10	172
Other circulatory diseases	451-468	39	--	1	2	3	8	25
Nephritis, acute and chronic	590-594	141	1	--	5	10	27	98
<b>Other Selected Causes</b>	(As listed)	960	391	13	10	41	129	376
Appendicitis	550-553	15	--	2	--	1	5	7
Certain diseases peculiar to early infancy	760-778	229	229	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	66	--	--	1	13	28	24
Congenital malformations	750-759	103	93	3	2	2	2	1
Diabetes mellitus	260	140	1	--	2	8	31	98
Gastritis, enteritis, and colitis	543,571,572	20	13	--	--	--	3	4
Hernia, intestinal obstruction	580,581,570	48	3	1	2	2	11	29
Hyperplasia of prostate	810	47	XXX	XXX	--	--	1	46
Influenza	480-483	45	6	--	--	--	7	32
Maternal causes	840-889	6	XXX	--	--	5	1	XXX
Pneumonia	490-493	170	40	7	2	6	22	93
Ulcer of stomach and duodenum	540-541	43	--	--	1	2	12	28
Senility and ill defined causes	780-795	28	6	--	--	2	6	14
<b>All Other Diseases</b>	Residual of 240-795	371	29	7	7	35	100	193
<b>External Causes of Death</b>	E800-E999	572	36	32	86	115	108	195
<b>All accidents</b>	E800-E982	475	35	31	80	89	70	170
Motor vehicle	E810-E835,E960	218	11	13	56	56	42	40
Other	E800-E802,E840-E959,E981-E982	257	24	18	24	33	28	130
Suicide	E983,E970-E979	85	XXX	XXX	4	19	38	24
Homicide	E964,E980-E985	12	1	1	2	7	--	1



Table N. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 7, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	AGE AT DEATH					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
ALL CAUSES		1,611	83	11	22	81	333	1,081
Infective and Parasitic Diseases	001-138	12	2	--	--	--	5	5
Dysentery, all forms	045-048	--	--	--	--	--	--	--
Encephalitis, acute infectious	082	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	--	--	--	--	--	--	--
Meningococcal infections	057	2	2	--	--	--	--	--
Poliomyelitis, acute	080	--	--	--	--	--	--	--
Syphilis	020-029	2	--	--	--	--	2	--
Tetanus	081	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	6	--	--	--	--	2	4
Tuberculosis, respiratory	001-008	6	--	--	--	--	2	4
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		2	--	--	--	--	1	1
Neoplasms	140-239	236	1	1	2	14	71	147
Malignant	140-205	234	1	--	2	13	71	147
Buccal cavity and pharynx	140-148	5	--	--	1	--	--	4
Digestive system	150-159	108	--	--	--	5	28	75
Respiratory system	160-164	19	--	--	--	--	10	9
Breast	170	24	--	--	--	2	7	15
Genital organs	171-179	27	--	--	--	2	8	17
All other sites	180-199	41	1	--	1	--	15	24
Leukemia and aleukemia	204	6	--	--	--	4	--	2
Lymphosarcoma	200-203,205	4	--	--	--	--	3	1
Benign and unspecified	210-239	2	-	1	--	1	--	--
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	939	--	1	1	25	165	747
Cardiovascular disease	330-334,400-468	906	--	1	1	24	156	724
Vascular lesions, CNS	330-334	212	--	--	--	8	35	169
Rheumatic fever	400-402	4	--	1	--	1	2	--
Diseases of the heart	410-443	586	--	--	1	12	109	464
Chronic rheumatic heart	410-416	9	--	--	--	3	1	5
Arteriosclerotic heart	420	352	--	--	--	7	85	260
Nonrheumatic degenerative	421-422	130	--	--	--	--	11	119
Other heart	430-434	31	--	--	1	1	5	24
Hypertension with heart disease	440-443	64	XXX	--	--	1	7	56
Hypertension without heart disease	444-447	21	XXX	--	--	2	1	18
General arteriosclerosis	450	75	XXX	XXX	--	--	6	69
Other circulatory diseases	451-468	8	--	--	--	1	3	4
Nephritis, acute and chronic	590-594	33	--	--	--	1	9	23
Other Selected Causes (As listed)		210	65	1	2	11	26	105
Appendicitis	550-553	3	1	--	--	1	1	--
Certain diseases peculiar to early infancy	760-776	39	39	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	9	--	--	--	--	3	6
Congenital malformations	750-759	15	13	--	--	--	2	--
Diabetes mellitus	260	31	--	--	1	1	5	24
Gastritis, enteritis, and colitis	543,571,572	9	5	--	--	--	1	3
Hernia, intestinal obstruction	560,561,570	17	1	--	--	1	--	15
Hyperplasia of prostate	610	12	XXX	XXX	--	--	3	9
Influenza	480-483	14	--	--	--	--	1	13
Maternal causes	640-689	4	XXX	--	1	3	--	XXX
Pneumonia	490-493	33	6	1	--	1	7	18
Ulcer of stomach and duodenum	540-541	13	--	--	--	2	3	8
Senility and ill defined causes	780-795	11	--	--	--	2	--	9
All Other Diseases	Residual of 240-795	80	10	1	1	--	29	39
External Causes of Death	E800-E999	134	5	7	16	31	37	38
All accidents	E800-E962	104	5	7	16	24	23	29
Motor vehicle	E810-E835,E960	45	2	4	7	15	13	4
Other	E800-E802,E840-E959,E961-E962	59	3	3	9	9	10	25
Suicide	E963,E970-E979	26	XXX	--	--	5	13	8
Homicide	E964,E980-E985	4	--	--	--	2	1	1

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.

Table O. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 8, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	A G E A T D E A T H					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
ALL CAUSES		1,437	84	17	24	60	279	973
Infective and Parasitic Diseases	001-138	24	2	2	--	4	8	8
Dysentery, all forms	045-048	--	--	--	--	--	--	--
Encephalitis, acute infectious	082	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	1	--	1	--	--	--	--
Meningococcal infections	057	1	1	--	--	--	--	--
Poliomyelitis, acute	080	2	--	1	--	1	--	--
Syphilis	020-029	2	--	--	--	--	2	--
Tetanus	061	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	14	--	--	--	2	5	7
Tuberculosis, respiratory	001-008	14	--	--	--	2	5	7
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		4	1	--	--	1	1	1
Neoplasms	140-239	213	2	1	2	11	57	140
Malignant	140-205	206	2	1	2	10	52	139
Buccal cavity and pharynx	140-148	6	--	--	--	--	3	3
Digestive system	150-159	88	--	--	--	3	13	72
Respiratory system	160-164	21	--	--	--	1	9	11
Breast	170	16	--	--	--	3	7	6
Genital organs	171-179	34	--	--	--	2	9	23
All other sites	180-199	27	2	--	--	1	7	17
Leukemia and aleukemia	204	8	--	--	2	--	1	5
Lymphosarcoma	200-203,205	6	--	1	--	--	3	2
Benign and unspecified	210-239	7	--	--	--	1	5	1
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	836	2	2	3	14	141	674
Cardiovascular disease	330-334,400-468	818	2	1	2	14	138	661
Vascular lesions, CNS	330-334	195	--	--	--	3	26	166
Rheumatic fever	400-402	3	1	1	1	--	--	--
Diseases of the heart	410-443	555	1	--	--	11	106	437
Chronic rheumatic heart	410-416	19	--	--	--	1	2	16
Arteriosclerotic heart	420	341	--	--	--	6	87	248
Nonrheumatic degenerative	421-422	102	--	--	--	2	8	92
Other heart	430-434	27	1	--	--	1	2	23
Hypertension with heart disease	440-443	66	XXX	--	--	1	7	58
Hypertension without heart disease	444-447	14	XXX	--	--	--	3	11
General arteriosclerosis	450	44	XXX	XXX	--	--	1	43
Other circulatory diseases	451-468	7	--	--	1	--	2	4
Nephritis, acute and chronic	590-594	18	--	1	1	--	3	13
Other Selected Causes (As listed)		196	68	4	2	6	30	86
Appendicitis	550-553	6	1	2	--	--	2	1
Certain diseases peculiar to early infancy	760-776	39	39	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	9	--	--	--	1	6	2
Congenital malformations	750-759	13	12	--	--	1	--	--
Diabetes mellitus	260	37	--	--	--	2	9	26
Gastritis, enteritis, and colitis	543,571,572	9	4	1	--	--	3	1
Hernia, intestinal obstruction	560,561,570	4	1	--	--	--	1	2
Hyperplasia of prostate	610	10	XXX	XXX	--	--	--	10
Influenza	480-483	12	3	--	1	--	1	7
Maternal causes	640-689	--	XXX	--	--	--	--	XXX
Pneumonia	490-493	40	8	1	1	2	5	23
Ulcer of stomach and duodenum	540-541	9	--	--	--	--	2	7
Senility and ill defined causes	780-795	8	--	--	--	--	1	7
All Other Diseases	Residual of 240-795	60	5	1	--	5	17	32
External Causes of Death	E800-E999	108	5	7	17	20	26	33
All accidents	E800-E962	87	5	7	16	17	16	26
Motor vehicle	E810-E835,E960	40	--	3	11	14	8	4
Other	E800-E802,E840-E959,E961-E962	47	5	4	5	3	8	22
Suicide	E963,E970-E979	20	XXX	--	1	3	10	6
Homicide	E964,E980-E985	1	--	--	--	--	--	1

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.



Table P. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 9, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	AGE AT DEATH					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs and over
ALL CAUSES		1,410	64	12	25	72	286	951
Infective and Parasitic Diseases	001-136	19	1	--	--	2	9	7
Dysentery, all forms	045-046	--	--	--	--	--	--	--
Encephalitis, acute infectious	062	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	--	--	--	--	--	--	--
Meningococcal infections	057	--	--	--	--	--	--	--
Poliomyelitis, acute	080	--	--	--	--	--	--	--
Syphilis	020-029	3	--	--	--	--	1	2
Tetanus	061	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	14	--	--	--	2	8	4
Tuberculosis, respiratory	001-006	13	--	--	--	2	7	4
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		2	1	--	--	--	--	1
Neoplasms	140-239	206	3	--	--	23	61	119
Malignant	140-205	203	3	--	--	21	61	118
Buccal cavity and pharynx	140-148	2	--	--	--	--	1	1
Digestive system	150-150	95	--	--	--	7	29	59
Respiratory system	160-164	24	--	--	--	3	10	11
Breast	170	16	--	--	--	2	5	9
Genital organs	171-179	24	--	--	--	4	5	15
All other sites	180-189	30	1	--	--	3	8	18
Leukemia and aleukemia	204	6	2	--	--	--	1	3
Lymphosarcoma	200-203,205	6	--	--	--	2	2	2
Benign and unspecified	210-239	3	--	--	--	2	--	1
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	828	1	2	1	19	137	668
Cardiovascular disease	330-334,400-466	791	1	2	1	17	132	638
Vascular lesions, CNS	330-334	192	--	--	--	2	27	163
Rheumatic fever	400-402	3	--	2	--	1	--	--
Diseases of the heart	410-443	539	1	--	1	11	99	427
Chronic rheumatic heart	410-416	14	--	--	1	1	4	8
Arteriosclerotic heart	420	317	1	--	--	8	69	239
Nonrheumatic degenerative	421-422	103	--	--	--	1	5	97
Other heart	430-434	28	--	--	--	1	8	19
Hypertension with heart disease	440-443	77	XXX	--	--	--	13	64
Hypertension without heart disease	444-447	10	XXX	--	--	1	1	8
General arteriosclerosis	450	41	XXX	XXX	--	--	3	38
Other circulatory diseases	451-466	6	--	--	--	2	2	2
Nephritis, acute and chronic	590-594	37	--	--	--	2	5	30
Other Selected Causes (As listed)		185	50	2	2	6	30	95
Appendicitis	550-553	3	--	--	--	1	1	1
Certain diseases peculiar to early infancy	760-776	33	33	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	6	--	--	--	--	3	3
Congenital malformations	750-759	12	10	--	--	1	--	1
Diabetes mellitus	260	27	--	--	1	--	7	19
Gastritis, enteritis, and colitis	543,571,572	11	2	--	--	2	2	5
Hernia, intestinal obstruction	560,561,570	10	1	--	--	--	3	6
Hyperplasia of prostate	610	5	XXX	XXX	--	--	--	5
Influenza	460-483	19	1	--	--	--	3	15
Maternal causes	640-669	2	XXX	--	1	1	--	XXX
Pneumonia	490-493	43	3	2	--	--	7	31
Ulcer of stomach and duodenum	540-541	10	--	--	--	1	4	5
Senility and ill defined causes	760-795	4	--	--	--	--	--	4
All Other Diseases	Residual of 240-795	61	6	3	1	5	17	29
External Causes of Death	E800-E999	111	3	5	21	17	32	33
All accidents	E800-E962	95	3	5	21	15	25	26
Motor vehicle	E810-E835,E960	50	--	2	18	7	16	7
Other	E800-E802,E840-E959,E961-E962	45	3	3	3	8	9	19
Suicide	E963,E970-E979	11	XXX	--	--	1	5	5
Homicide	E964,E960-E985	4	--	--	--	1	1	2

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.

Table Q. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 10, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

CAUSES OF DEATH	LIST NO.*	All Ages	AGE AT DEATH					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	65 Yrs. and over
ALL CAUSES		2,150	92	15	22	110	513	1,398
Infective and Parasitic Diseases	001-138	51	1	--	--	9	20	21
Dysentery, all forms	045-048	--	--	--	--	--	--	--
Encephalitis, acute infectious	082	--	--	--	--	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	1	1	--	--	--	--	--
Meningococcal infections	057	1	--	--	--	--	1	--
Poliomyelitis, acute	080	--	--	--	--	--	--	--
Syphilis	020-029	3	--	--	--	1	2	--
Tetanus	061	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	39	--	--	--	6	13	20
Tuberculosis, respiratory	001-008	37	--	--	--	5	13	19
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		7	--	--	--	2	4	1
Neoplasms	140-239	322	4	4	2	22	135	155
Malignant	140-205	319	4	4	2	20	134	155
Buccal cavity and pharynx	140-148	7	--	--	--	--	4	3
Digestive system	150-159	122	--	--	--	3	42	77
Respiratory system	160-164	46	--	--	--	2	25	19
Breast	170	21	--	--	--	1	10	10
Genital organs	171-179	51	--	--	--	9	21	21
All other sites	180-189	43	4	2	--	2	17	18
Leukemia and aleukemia	204	11	--	1	1	2	4	3
Lymphosarcoma	200-203,205	18	--	1	1	1	11	4
Benign and unspecified	210-239	3	--	--	--	2	1	--
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	1,255	--	3	1	36	245	970
Cardiovascular disease	330-334,400-468	1,212	--	2	1	32	235	942
Vascular lesions, CNS	330-334	267	--	--	--	8	39	220
Rheumatic fever	400-402	1	--	1	--	--	--	--
Diseases of the heart	410-443	840	--	1	--	24	187	628
Chronic rheumatic heart	410-416	18	--	--	--	6	8	4
Arteriosclerotic heart	420	547	--	--	--	13	136	398
Nonrheumatic degenerative	421-422	101	--	1	--	2	12	86
Other heart	430-434	34	--	--	--	1	6	27
Hypertension with heart disease	440-443	140	XXX	--	--	2	25	113
Hypertension without heart disease	444-447	21	XXX	--	--	--	3	18
General arteriosclerosis	450	75	XXX	XXX	--	--	5	70
Other circulatory diseases	451-468	8	--	--	1	--	1	6
Nephritis, acute and chronic	590-594	43	--	1	--	4	10	28
Other Selected Causes	(As listed)	259	79	--	3	7	34	136
Appendicitis	550-553	8	--	--	--	1	3	4
Certain diseases peculiar to early infancy	760-776	50	50	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	18	1	--	--	2	6	9
Congenital malformations	750-759	15	11	--	1	1	2	--
Diabetes mellitus	260	27	--	--	--	--	4	23
Gastritis, enteritis, and colitis	543,571,572	11	4	--	--	--	3	4
Hernia, intestinal obstruction	560,561,570	16	--	--	--	1	2	13
Hyperplasia of prostate	610	13	XXX	XXX	--	--	--	13
Influenza	480-483	10	--	--	--	--	1	9
Maternal causes	640-689	1	XXX	--	1	--	--	XXX
Pneumonia	490-493	55	10	--	--	1	6	38
Ulcer of stomach and duodenum	540-541	11	--	--	--	1	4	6
Senility and ill defined causes	780-795	24	3	--	1	--	3	17
All Other Diseases	Residual of 240-795	115	3	3	2	7	38	62
External Causes of Death	E800-E999	148	5	5	14	29	41	54
All accidents	E800-E962	124	5	5	14	23	32	45
Motor vehicle	E810-E835,E960	53	1	4	10	13	13	12
Other	E800-E802,E840-E959,E961-E962	71	4	1	4	10	19	33
Suicide	E963,E970-E979	22	XXX	--	--	4	9	9
Homicide	E984,E980-E985	2	--	--	--	2	--	--

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.



Table R. -- NUMBER OF DEATHS BY AGE AND SELECTED CAUSES:  
RESIDENTS OF ECONOMIC AREA 11, 1953

(Includes deaths of residents of the area occurring outside the State; see map on last page for composition of the area)

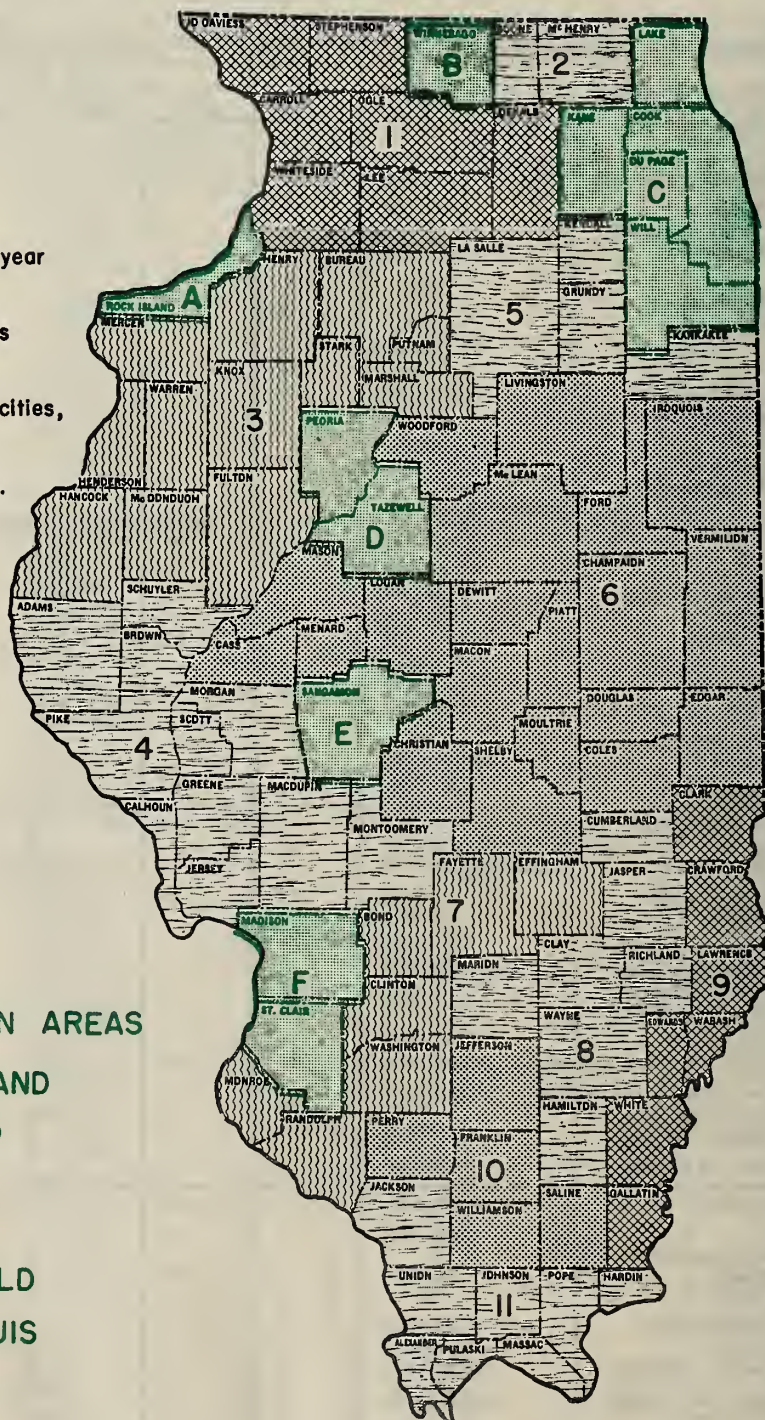
CAUSES OF DEATH	LIST NO.*	All Ages	A G E A T D E A T H					
			0-4 Years	5-14 Years	15-24 Years	25-44 Years	45-64 Years	85 Yrs. and over
ALL CAUSES		1,534	118	22	16	106	341	931
Infective and Parasitic Diseases	001-138	32	2	1	4	4	11	10
Dysentery, all forms	045-048	--	--	--	--	--	--	--
Encephalitis, acute infectious	082	1	--	--	1	--	--	--
Gonococcal infection	030-035	--	--	--	--	--	--	--
Measles	085	1	1	--	--	--	--	--
Meningococcal infections	057	--	--	--	--	--	--	--
Pollomyelitis, acute	080	2	--	--	1	1	--	--
Syphilis	020-029	4	--	--	--	--	3	1
Tetanus	061	--	--	--	--	--	--	--
Tuberculosis, all forms	001-019	19	--	--	2	3	7	7
Tuberculosis, respiratory	001-008	19	--	--	2	3	7	7
Typhoid fever	040	--	--	--	--	--	--	--
Whooping cough	056	--	--	--	--	--	--	--
Other infective and parasitic diseases								
Residual of 001-138		5	1	1	--	--	1	2
Neoplasms	140-239	193	--	2	--	17	68	106
Malignant	140-205	190	--	2	--	17	66	105
Buccal cavity and pharynx	140-148	7	--	--	--	1	2	4
Digestive system	150-159	67	--	--	--	2	16	49
Respiratory system	160-164	23	--	--	--	1	9	13
Breast	170	15	--	--	--	2	9	4
Genital organs	171-179	31	--	--	--	1	10	20
All other sites	180-199	37	--	1	--	10	14	12
Leukemia and aleukemia	204	7	--	--	--	--	4	3
Lymphosarcoma	200-203,205	3	--	1	--	--	2	--
Benign and unspecified	210-239	3	--	--	--	--	2	1
Major Cardiovascular-renal Diseases	330-334,400-468,590-594	863	2	2	2	28	190	639
Cardiovascular disease	330-334,400-468	814	2	2	2	22	179	607
Vascular lesions, CNS	330-334	183	1	--	--	2	44	136
Rheumatic fever	400-402	2	--	--	1	--	--	1
Diseases of the heart	410-443	552	1	2	1	20	129	399
Chronic rheumatic heart	410-416	30	--	--	1	7	6	16
Arteriosclerotic heart	420	302	1	--	--	10	80	211
Nonrheumatic degenerative	421-422	104	--	--	--	--	12	92
Other heart	430-434	34	--	1	--	1	10	22
Hypertension with heart disease	440-443	82	XXX	1	--	2	21	58
Hypertension without heart disease	444-447	11	XXX	--	--	--	1	10
General arteriosclerosis	450	62	XXX	XXX	--	--	5	57
Other circulatory diseases	451-468	4	--	--	--	--	--	4
Nephritis, acute and chronic	590-594	49	--	--	--	6	11	32
Other Selected Causes	(As listed)	237	103	3	2	8	26	95
Appendicitis	550-553	5	--	1	--	--	2	2
Certain diseases peculiar to early infancy	760-776	62	62	XXX	XXX	XXX	XXX	XXX
Cirrhosis of liver	581	6	--	--	--	--	1	5
Congenital malformations	750-759	22	21	--	--	--	1	--
Diabetes mellitus	260	21	--	--	1	1	6	13
Gastritis, enteritis, and colitis	543,571,572	5	2	--	--	--	1	2
Hernia, intestinal obstruction	580,581,570	20	1	--	--	3	4	12
Hyperplasia of prostate	610	11	XXX	XXX	--	--	--	11
Influenza	480-483	14	2	1	--	--	--	11
Maternal causes	840-889	3	XXX	--	1	2	--	XXX
Pneumonia	490-493	54	15	1	--	2	7	29
Ulcer of stomach and duodenum	540-541	9	--	--	--	--	4	5
Senility and ill defined causes	780-795	5	--	--	--	--	--	5
All Other Diseases	Residual of 240-795	62	3	3	1	7	15	33
External Causes of Death	E800-E999	147	8	11	7	42	31	48
All accidents	E800-E982	133	8	10	6	38	26	45
Motor vehicle	E810-E835,E960	57	2	3	5	25	15	7
Other	E800-E802,E840-E959,E961-E962	76	6	7	1	13	11	38
Suicide	E963,E970-E979	10	XXX	--	1	3	3	3
Homicide	E984,E980-E985	4	--	1	--	1	2	--

\*International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision (1948), World Health Organization.

# ILLINOIS ECONOMIC AREAS

As listed in *State Economic Areas*, Bureau of Census, Dept. of Commerce, USGPO, 1951

See table 12 for midyear  
population estimates  
of counties, larger cities,  
and economic areas.



## METROPOLITAN AREAS

- A ROCK ISLAND
- B ROCKFORD
- C CHICAGO
- D PEORIA
- E SPRINGFIELD
- F E. ST. LOUIS

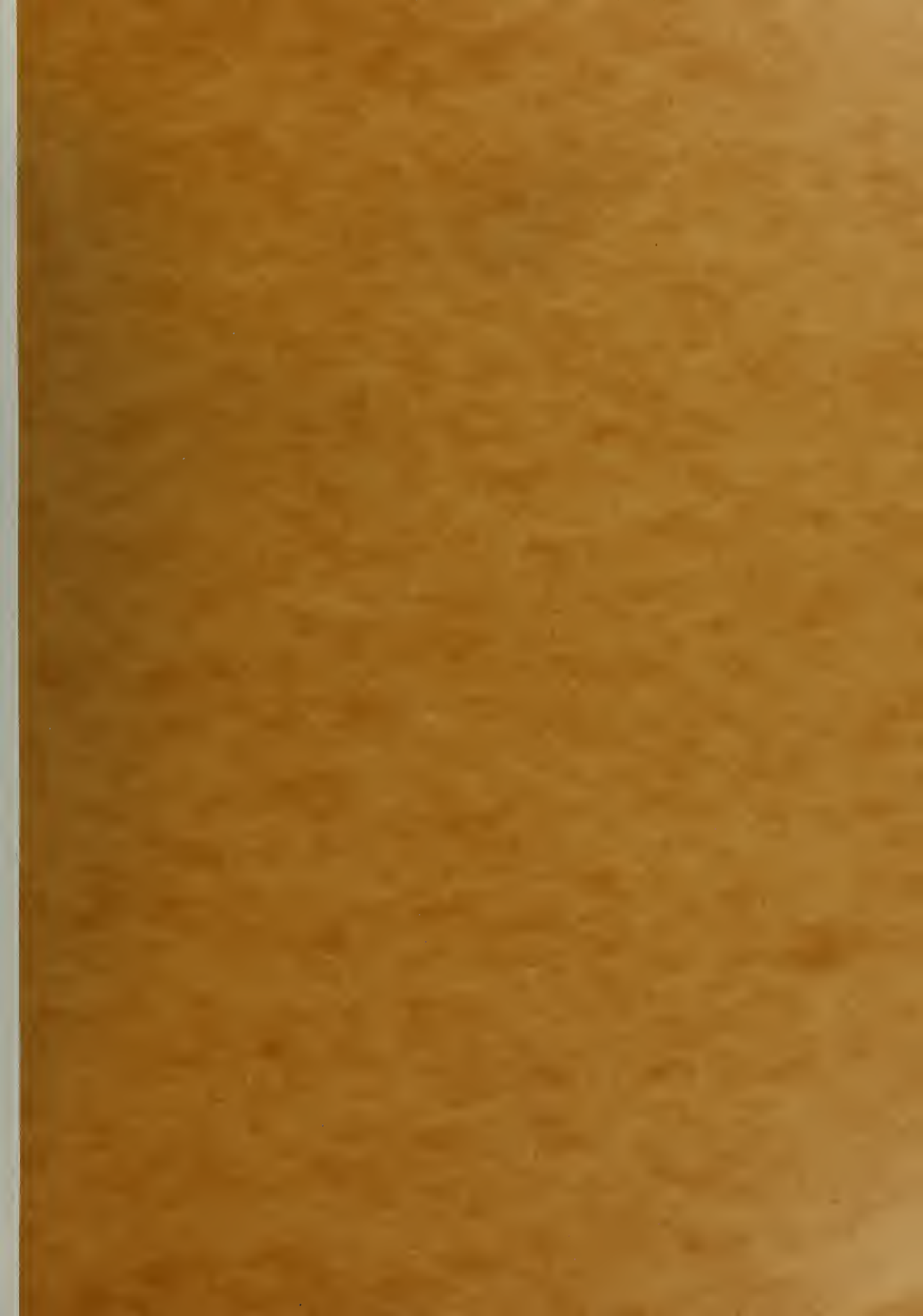
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